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METEOROLOGICAL OFFICE

RÉSEAU MONDIAL 1924

MONTHLY AND ANNUAL SUMMARIES OF
PRESSURE, TEMPERATURE, AND PRECIPITATION
BASED ON A WORLD-WIDE NETWORK OF
OBSERVING STATIONS

Published by the Authority of the Meteorological Committee

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RÉSEAU MONDIAL, 1924

PREFACE

THE Réseau Mondial is published under the auspices of the International Meteorological Committee, which has appointed a Commission, the International Commission for the Réseau Mondial, to foster the enterprise. An account of its early history is given in the preface to the volume for 1914. The publication of the data commenced in 1917 with the annual volume for 1911, and during the four following years the volumes for 1912, 1913, 1910 and 1914 were issued, in that order. Since the appearance of the volume for 1914, meetings of the Commission have taken place in connexion with the meetings of the International Meteorological Committee held in London in 1921, in Zürich in 1926, and in Copenhagen in 1929. At the London meeting the Commission approved the general form in which the results had been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. In compliance with that request, ten additional volumes have been issued.

The volume for 1921 for the first time gave effect to a wish, also voiced at the meeting held in London, for the inclusion of data from the oceans as well as from land stations. In that volume the information was confined to two five-degree " squares " in the North Atlantic Ocean ; in the present volume the number of such squares has grown to fourteen, of which twelve are in the Atlantic and two in the Pacific Ocean. The figures represent the data supplied by ships reporting to the Meteorological Services of Brazil, Denmark, Germany, Holland, Norway and the United States, as well as to the British Meteorological Office, and for the North Atlantic squares the different European Services have co-operated in accordance with a scheme suggested by the Commission for Maritime Meteorology. The data will be found intercalated among the observations from land stations. They include—

(1) the mean latitude and longitude of the observations, calculated separately for each month.

(2) the number of observations (entered in the column for " height ").

(3) the mean pressure.

(4) the mean temperature of the sea surface. For convenience these figures have been entered in the column for the date of the absolute maximum temperature.

(5) the mean temperature of the air.

For the North Atlantic squares the values are based partly on observations taken six times a day, and partly on observations at 8h. and 20h., local time ; the latter figures have been corrected for diurnal variation and the two sets have then been combined. For the two squares in the Pacific the observations are taken only once daily, at 12h. G.M.T., equivalent to 2 a.m. and 2.40 a.m. local time. In general, mean values from observations taken six times a day are deduced from not less than 30 observations per month, thus putting a square on a par with a land station observing once daily. In eight squares, the number of observations is greater than this minimum in each month ; in the remaining six squares the numbers fall below 30 in some months but the data have been included in order to avoid breaking the continuity of the series. It will be observed that for some squares, two figures are given for each month

as the number of observations. These different figures refer to the different elements ; the number of observations of pressure available in any month frequently differs from the number of observations of sea temperature or of air temperature. The differences are in general not of sufficient importance to affect appreciably the mean latitude and longitude. Differences from normal are given where possible ; the sources of these normals are stated in the " Table of Authorities."

At the meeting of the Commission held in Zürich in 1926, the following rules were adopted to regulate the practice regarding the normals to be used at land stations in the Réseau Mondial.

" (*a*) Departures from normal will not be employed unless the series of observations available covers a period of ten years or more.

(*b*) A normal will be prepared for any station as soon as ten years' observations are available. This normal will remain in use for the next five years. When data for 15 years are available, the normal will be revised. A further revision will take place when data for 25 years become available, and a final revision when data for 35 years become available. Normals covering a period of 35 years or more will only be revised when opportunity offers.

(*c*) While the procedure laid down in paragraph (*b*) will be the one usually followed, advantage will be taken of any re-determinations of normals which become available. Such an opportunity is presented by the publication of the collection of the " Long Series " data which is now being made by the Smithsonian Institution, and normals based on these data will be brought into use in the volume of the Réseau Mondial for 1921.

(*d*) When an official meteorological service publishes departures from normal in its current publications these may, if thought desirable, be used in the Réseau Mondial.

(*e*) The periods covered by the normals will be set out in the Table of Authorities as at present. Whenever new normals are introduced the attention of readers will be called to the change by adding an appropriate sign to the figures to which the new normal has first been applied.

(*f*) These instructions will be brought into use when the compilation of the volume for the year 1921 is commenced."

In editing the present volume these rules have been closely followed.

The membership of the Commission at the close of the Copenhagen meeting was as follows : Dr. G. C. Simpson, Great Britain (President) ; Dr. W. van Bemmelen, Holland ; Dr. D. la Cour, Denmark ; Vice-Admiral H. Dominik, Germany ; Professor F. Eredia, Italy ; Professor E. van Everdingen, Holland ; Captain N. I. Evgenoff, Russia ; M. Sampaio Ferraz, Brazil ; Professor H. von Ficker, Germany ; Professor E. Fontseré, Spain ; Dr. S. Fujiwhara, Japan ; M. Gain, France ; Professor Dr. B. Helland Hansen, Norway ; Professor Dr. H. Hergesell, Germany ; Dr. Th. Hesselberg, Norway ; Mr. H. A. Hunt, Australia ; Dr. J. Keranen, Finland ; Professor Dr. M. Knudsen, Denmark ; Dr. O. Krogness, Norway ; Mr. R. G. K. Lempfert, Great Britain ; Dr. G. Ljungdahl, Sweden ; Professor C. F. Marvin, United States of America ; Professor G. Melander, Finland ; Dr. C. W. B. Normand, India ; Professor T. Okada, Japan ; Mr. J. Patterson, Canada ; Captain de F. Rouch, France ; Dr. J. W. Sandström, Sweden ; Sir Napier Shaw, Great Britain ; Mr. C. Stewart, South Africa ; Sir F. Stupart, Canada ; Dr. H. U. Sverdrup, Norway ; Sir Gilbert Walker, Great Britain ; Dr. A. Wallén, Sweden ; Captain P. Wehrlé, France ; Professor Vladimir Wiese, Russia ; Dr. A. Wigand, Germany.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made in consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80°—70° N.	..	132, Scoresbysund.
Zone 2, 70°—60° N.	..	251, New Port.
Zone 5, 40°—30° N.	..	538a, Gadames.
Zone 6, 30°—20° N.	..	633, Port Étienne. 636, Adrar. 638, Laperrine.
Zone 7, 20°—10° N.	..	724, San Juan, Porto Rico. 733, Dakar.
Zone 9, 0°—10° S.	..	930*a*, 5°—10° S. 35°—30° W. 930*b*, 0°— 5° S. 35°—30° W.
Zone 10, 10°—20° S.	..	1030*a*, 15°—20° S. 40°—35° W. 1030*b*, 10°—15° S. 40°—35° W. 1044*a*, Mossuril.
Zone 11, 20°—30° S.	..	1128*a*, 25°—30° S. 50°—45° W. 1128*b*, 20°—25° S. 50°—45° W.
Zone 12, 30°—40° S.	..	1226*b*, 30°—35° S. 55°—50° W.

(Ocean " Square")

(Ocean " Square")

The following substitution has been made :—

Substitution :—

Zone 10, 10°—20° S.	..	1043, Salisbury (Dept. Agric.) for Salisbury (Gaol.)

Changes in site have been made at the following stations :—

Zone 2, 70°—60° N.	..	242*a*, Kuopio.
Zone 12, 30°—40° S.	..	1272, Napier.

The following stations have been closed and have consequently been deleted :—

Zone 1, 80°—70° N.	..	123, Inglefield Bay.
Zone 6, 30°—20° N.	..	660, Amoy.

Data for the following stations are missing :—

Zone 2, 70°—60° N.	..	211, Fort Good Hope. 244, Petrozavodsk. 263, Verkhoïansk.
Zone 3, 60°—50° N.	..	326, Belle Isle. 360, Nertchinskii Zavod. 365, Nikolaevsk-sur-Amour.
Zone 10, 10°—20° S.	..	1024, Sucre, Bolivia.

The total number of stations utilised was 479 as against 463 in 1923.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1924.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. These zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The southernmost zone in the southern hemisphere for which observations are available, that extending from latitude 60° S. to latitude 70° S., accordingly becomes zone No. 15.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e. between latitude 80° N. and 70° N.) between longitude 180° W. and 170° W.; station numbers 335 and 336 to the stations in zone 3 (60° N. to 50° N.) between longitude 10° W. and 0°; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e. to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For two squares in zone 6 it was considered desirable to give data representing conditions at high and low levels. In square 30° N—20° N., 20° W.—10° W. the mountain station Izaña has been included as well as La Laguna and in square 30° N.—20° N., 90° E.—100° E. the mountain station Cherrapunji as well as Gauhati. The mountain station is indicated in each case by the addition of the letter " *m* " to the number appropriate to the low level station.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. The scale on which temperatures are recorded in the Réseau Mondial is such that the freezing point of water under atmospheric pressure is 273°A precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale. Conversion tables, showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe,* printed at the end of the volume. In many cases the volumes for 1924 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above

sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources. For certain stations re-determined heights adopted in *World Weather Records* have been substituted for heights previously published.

In the tables for 1918 the symbol $\mathfrak{T}$ was introduced to signify the true, or 24-hour, mean temperature. The letters a, b, c, etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Whenever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the values at sea level are not given in the publication from which the data have been transcribed, they have been computed in the Meteorological Office for stations not exceeding 2,000 metres in altitude, for which the height above sea level was accurately known. The reduction

is based on an expansion of the formula $p_o = pe^{\frac{z}{KT}}$ and assumes that the temperature decreases upwards at the rate of 0·5° C. per 100 metres and that the average relative humidity of the air column between the station and sea-level is 50 per cent. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at fixed hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. ix) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter, except at the stations to which the suffix " q " is given in the list of Authorities, for which the differences from normal refer to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The column headed " 24 hr. mean" contains: in Roman type, means based on at least six equally-spaced observations each day: in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed " Remarks " pp. 105—114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected

stations in the tropics. At the foot of these tables the Resultant Direction and the "Constancy" are given. No account is taken of wind *strength* in computing these quantities; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The "*constancy*" is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 1.													
Barrow, 19h. (5)	0·0	+0·1	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	+0·1	−0·1	−0·1	−0·1	+0·1
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Spitsbergen, ⅓ (8+14+19) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0
Gjesvaer, ⅓ (8+13+19) (19)	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Gjesvaer and Vardo for Mehavn, ⅓ (8+14+19) (19)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Vardo, ⅓ (8+14+19) (19)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Waigatz, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, Tanana *and* Eagle, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka for Dawson ½ (8+16+20) (8)	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn, *and* Ivigtut, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Bergen, ⅓ (8+14+19) (19)	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Aalesund, ⅓ (8+14+19) (19)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Trondhjem, ⅓ (8+14+19) (19)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Bodö, ⅓ (8+14+19) (19)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Helsingfors for Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
New Port, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is. *and* Dutch Harbor, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Kodiak, ½ (4+16) (8)	..	..	..	..	..	..	..	..	..	..	+0·1	..	..
Sitka, *and for* Kodiak, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1)	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Moose Factory, ½ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg, ⅓ (8+14+20) (1)	+0·1	+0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Hamburg and Uppsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Warsaw, ⅛ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Leningrad, ⅛ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiiv, ⅛ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Saratov, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Kazan, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Sverdlovsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Omsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Barnaoul, ⅛ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Tomsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Eniseisk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅛ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tchita, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tygan Ourkan, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagovyeshchensk, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Zone 4.													
Winnipeg, *and for* Port Arthur, ⅛ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ⅛ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
St. John, N.B., ⅛ (9+15+21) (1)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Madrid, ⅛ (7+13+18) (1)	+0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0
Nice for Marseille, ⅛ (7+10+12+16+18+22) (15)	0·0	−0·1	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1
Nice for Marseille, ⅛ (7+12+18) (15)	..	..	..	..	..	..	..	..	..	..	..	+0·1	..
Rome, ⅛ (9+15+21) (3)	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Odessa, ⅛ (7+13+21) (1)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
Kharkiv, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1
Novorossiisk, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tiflis, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Astrakhan, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Fort Alexandrovsk, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Krasnovodsk, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Kasalinsk, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Tashkent, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Alma Ata, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ⅛ (9+15+21) (1)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Bouzaréah for Melilla, ⅛ (7+13+18) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·2	+0·1
Lisbon for Gibraltar, ⅛ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Palma, ⅛ (7+13+18) (1)	0·0	0·0	0·0	+0·1	+0·1	0·0	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1
Algiers (Bouzaréah), ⅛ (7+13+18) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·2	+0·1
Metlaoui for Tunis, ⅛ (7+13+19) (1)	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1
Metaloui for Malta, ⅛ (7+18) (1)	+0·3	+0·3	+0·4	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·4	+0·3	+0·3	+0·4
Naples for Riposto, ⅛ (9+15+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, ⅛ (8+14+20) (17)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0
Athens and Cairo for Nicosia, ⅛ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Hinaidi, 5 h. (16)	−0·4	−0·6	..	..	..	..	..	..	..	..	..	−0·8	
Hinaidi, ⅛ (5+10+17) (16)	..	..	−0·1	−0·2	−0·1	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	..
Lenkoran, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅛ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅛ (6+14+22) (8)	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Mexico for La Paz, Chihuahua, Leon, Monterry *and* Tulancingo, ⅛ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Nassau, Bahamas, ½ (8+15) (1)	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·2	0·0
Izaña, ⅛ (7+13+18) (18)	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Cairo, ⅛ (8+14+20) (20)	+0·1	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	0·0	0·0
Khartoum and Cairo for Aswan, ⅛ (8+14+20) (17)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Tor, ⅛ (8+14+20) (17)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjeeling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, ½ (10+16) (9)	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Taihoku and Manila for Basco, ½ (6+14) (12)	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5
Zone 7.													
Mexico for Colima, Morelia *and* Salina Cruz. ⅛ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Port au Prince, ⅛ (7+13+21) (12)	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	−0·2
St. Kitts for Montserrat, ½ (9+15) (12)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1	−0·1
Barbados, ½ (9+15) (12)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum *and for* El Obeid, ⅛ (8+14+20) (17)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, ⅛ (8+14+20) (17)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Vizagapatam, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Ormoc, ½ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7
Zone 8.													
Duala and Sansane Mangu for Freetown, Sierra Leone, ½ (9+17) (1)	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	0·0	0·0
Duala for Accra, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7	−1·7
Duala for Lagos, ½ (9+15) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	+0·1	+0·2	0·0
Entebbe, ½ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Colombo, ½ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2	
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Panang, ⅛ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, ½ (6+14) (12)	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Malden Island, ½ (9+20) (1)	−1·2	−1·0	−1·2	−1·2	−1·2	−0·8	−0·9	−1·0	−1·0	−1·1	−1·1	−1·0	−1·1
Quixeramobim, *and for* Turyassu *and* Barra do Corda, ⅛ (7+14+21) (1)	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Ascension Island, ½ (9+21) (1)	−0·8	−0·9	−0·9	−0·9	−0·9	−0·8	−0·8	−0·8	−0·9	−1·0	−0·9	−0·8	−0·9
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (8+20) (1)	−0·9	−0·9	−1·0	−0·9	−0·8	−0·7	−0·6	−0·7	−0·7	−0·8	−0·7	−0·8	−0·8

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 10.													
Arequipa, ½ (8+20) (13)	−0·3	−0·3	−0·3	−0·3	−0·3	−0·2	−0·2	−0·3	−0·4	−0·4	−0·4	−0·4	−0·3
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 8 h. (1)	−1·6	−1·6	−1·5	−1·4	−1·3	−1·3	−1·3	−1·4	−1·5	−1·6	−1·7	−1·7	−1·5
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 8½h. (10) ..	−1·3	−1·3	−1·4	−1·4	−1·4	−1·4	−1·3	−1·4	−1·5	−1·5	−1·4	−1·3	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅛ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ⅛ (7+14+21) (13)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·1	0·0
Curityba, ⅛ (7+14+21) (12)	−0·2	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	0·0
Rio de Janeiro, ⅛ (7+14+21) (1) ..	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·3	−0·1
Kimberley, ½ (8+14+20) (14) ..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Bulawayo, 8 h. (1)	−1·3	−1·2	−1·1	−1·0	−1·0	−0·9	−0·9	−1·0	−1·3	−1·4	−1·4	−1·3	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Cue, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅛ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso ⅛ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Montevideo, ⅛ (7+14+21) (12) ..	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	−0·1	−0·2	0·0
Cape Town for Danger Point, *and* East London, 8½ h. (2)	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	0·0
Bourke, 9 h. (1)	−1·2	−1·1	−1·2	−1·1	−0·9	−0·8	−0·7	−0·8	−1·0	−1·0	−1·0	−1·1	−1·0
Sydney, ½ (9+15) (1)	+0·1	0·0	−0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 13.													
Santiago and Punta Arenas for Isla Guafo *and* Punta Galera, ⅛ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas *and* Punta Dungeness, ⅛ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
Año Nuevo, ½ (8+14+20) (1) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
South Georgia, ⅛ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

(1) Prepared in M.O.

(2) Buchan, A., *Report on . . . Voyage of H.M.S. "Challenger,"* 1873-76. *Physics and Chemistry*, vol. ii., part v. *Report on Atmospheric Circulation.* London, 1889.

(3) Eredia, F., *Il clima di Roma*, 1911.

(4) Lima, A., *O clima de Portugal Continental*, 1922.

(5) Washington, *Report of the International Polar Expedition to Point Barrow, Alaska*, 1885.

(6) *Indian Meteorological Memoirs*, vol. xvii.

(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.

(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.

(9) Le Cadet, G., *Le climat du Delta du Tonkin*, 1911.

(10) Tetens, O., u. Linke, F., *Das Klima von Samoa*, 1910.

(11) Gorczynski, Wl., *Pression atmosphérique en Pologne et en Europe*, 1917.

(12) Hann, J. von, *Die ganztägige (24-stündige) Luftdruckschwankung . . .* , 1919.

(13) Cambridge, Mass., Astr. Obs. Harvard College, *Annals*, vol. 49, part i.

(14) Sutton, J. R., *Diurnal Variation of Barometric Pressure*, 1907.

(15) Angot, A., *Etude sur le climat de la France. Pression atmosphérique.* Paris, Ann. bur. centr. météor., *Annales*, 1906, part i, p. 83.

(16) Eredia, F., *Sul clima di Bagdad.* Rome, 1917.

(17) Corrections supplied by Cairo, Phys. Dept.

(18) Madrid, *Anuario del Obs.*, Tomo III., Suppl. 3, p. 4.

(19) Christiana, *Jahrb. d. Norweg. Meteor. Instituts*, 1891, p. xiii.

(20) Cairo, Phys. Dept., *Climatological normals for Egypt and the Sudan, Candia, Cyprus and Abyssinia*, Cairo, 1922.

ADDITIONS AND CORRECTIONS, 1910–1924

1910-1923 :—

970. *Ocean Island.* The barometer was broken in January, 1924, and a new barometer was installed in April, 1924. The readings of the new instrument are higher than those of the old one and the readings published up to the end of 1923 should have a correction of +2·5 mb. The deviations from normal remain unchanged.

1912-1923 :—

142. *Mehavn.* " At the inspection in August, 1925, it was found that the height of the barometer above mean sea level had been given too low in the previous years. In the Yearbooks for 1912-21 it should be 7·4 m. instead of 6·4 m. and in those for 1923 and 1924, 10·2 m. instead of 8·2 m. Whether the height 4·6 m. given in the Yearbook for 1922 is also 2 metres too low cannot be decided." (Jahrb. d. Norweg. Meteor. Inst. 1925, p. vi.)
The pressure values at M.S.L. for 1912-1921 are therefore 0·1 mb. too low and those for 1923 0·2 mb. to 0·3 mb. too low. The necessary correction has been applied in 1924.

1918-1923 :—

765. *Guam, Ladrone Is.* Table of Authorities : Remarks ; delete " c " and insert 120° E. meridian time.

860. *Iwahig,* 861. *Tagbilaran,* 862. *Surigao.* Table of Authorities : Remarks ; insert " c."

863. *Kolonie, Yap.* Table of Authorities : Remarks ; insert 120° E. meridian time.

1919 :—

1043. *Salisbury, Rhodesia.* April. Insert the data printed for 1044 *Zomba.*

1044. *Zomba.* April. Substitute the data printed for 1045 *Tananarive.*

1045. *Tananarive.* April. Substitute the data printed for 1046 *Sainte-Marie.*

1046. *Sainte-Marie.* April. Delete all the data.

1920 :—

543. *Cairo (Helwan).* Pressure : September, Mean at Station Level, *for* " 991·1" *read* " 999·1."

1923 :—

211. *Fort Good Hope.* Table of Authorities : Remarks, insert " P=$\frac{1}{3}$ (8+16$\frac{1}{2}$)."

532. *Ponta Delgada.* Height : Year, *for* " 2 m." *read* " 22 m."

715. *Colima.* June and July, Latitude *for* " 19° 11′ N." *read* " 19° 12′ N."

1141a. *Johannesburg.* Table of Authorities : Remarks, insert " e."

1146. *Fort Dauphin.* May. Substitute the data printed for 1147 *Mauritius.*
Table of Authorities : Remarks, insert " c."

1147. *Mauritius.* May. Substitute the data printed for 1146 *Fort Dauphin.*

1168. *Brisbane.* Table of Authorities : Period of Normals, *for* " 14 yrs." *read* " 41 yrs."

1301. *Chatham Island.* Table of Authorities : Period of Normals, *for* " **P** " *read* " **R.**"

1421. *Islota de los Evangelistas.* Table of Authorities : Period of Normals, *for* " **T** " *read* " **C.**"

1424a. *Año Nuevo.* January to December, Year, delete ‡.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.

1921-1923.

435. *Madrid.* Pressure : Diff. from normal *should read* :—

1921, Diff. mb.	+4·7	+0·2	+4·5	+0·6	−1·1	+0·3	+0·7	−0·2	0·0	+3·3	+0·3	+1·5	+1·2
1922, Diff. mb.	−4·0	+0·4	−0·9	+2·1	+3·6	+0·4	+1·7	−1·0	+1·7	−3·9	+5·0	+2·5	+0·3
1923, Diff. mb.	+3·3	−1·9	+0·3	−3·7	+0·8	+3·2	+0·7	+0·4	+3·7	+1·0	−4·0	+4·8	−0·9

Table of Corrections : Table 1. *Zone 4, should read* :—

$\frac{1}{3}$(7+13+18)(1)	+0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1

1922-1923.

826. *Paramaribo.* Temperature : Diff. from normal *should read* :—

1922, Diff. °A.	+0·3	+0·6	+0·4	+0·1	−0·1	−0·4	+0·3	−0·2	−0·1	+0·3	−0·1	−0·5	+0·1
1923, Diff. °A.	−0·1	−0·3	−0·1	−0·2	+0·2	−0·3	+0·1	−0·1	+0·7	−0·2	0·0	−0·2	0·0

1923.

1048. *Antalaha.* Pressure : Delete mean at Station Level. Mean at M.S.L. should read :—

mb.	1009·8	1007·3	1009·3	1008·9	1009·7	1014·9	1015·8	1017·0	1014·9	1013·7	1012·4	1008·1	1011·8

Table of Authorities : Remarks, delete " e."

1221. *Juan Fernandez.* Pressure : June to December, insert mean at Station Level and mean at M.S.L.

Station Level, mb.	..	..	..	..	..	973·4	975·9	975·4	978·4	977·1	976·7	976·8	..
M.S.L., mb.	..	..	..	..	..	1014·4	1017·2	1016·7	1019·8	1018·4	1017·6	1017·6	..

Table of Authorities : Remarks, insert P=$\frac{1}{3}$ (7+14+21)

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.

RÉSEAU MONDIAL, JANUARY 1924

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY, 1924 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute. Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	7·0	..	1026·4	..	247·2	268·0	1st	240·3	231·9	31st	243·7	..	−0·9	12	+ 5
125	Upernivik	72 47	56 7	19·2	998·2	1000·7	− 5·1	260·7	267·8	9th	255·7	249·5	21st, 22nd	258·2	*257·9*	+7·0	7	− 4
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	1004·0	1004·7	..	261·6	270·1	25th	253·1	245·9	17th	257·3	*257·2*	..	69	..
135	Jan Mayen	70 59	W 8 18	23·1	996·4	999·3	..	..	275·6	13th	269·6	265·1	16th	..	*272·2*	..	49	..
139	Spitsbergen (Green Harbour)	78 2	E14 14	11·4	1005·6	1007·1	+ 1·9	..	276·3	8th	259·1	242·7	16th	..	262·8	+5·5	50	+ 15
140	Björnöen	74 28	19 17	40·5	1001·7	1006·8	..	..	276·5	3rd	268·9	261·4	23rd	..	*270·8*	..	21	..
141	Gjesvaer	71 6	25 22	6·5	1009·1	1009·9	+ 8·5	..	279·5	7th	268·5	260·9	21st	..	*271·1*	+1·8	49	− 8
142	Mehavn	71 1	27 47	10·2	1009·9	1012·3	+10·7	..	276·6	7th	266·7	259·4	20th	..	*269·6*	+1·6	71	+ 4
143	ϕVardö	70 22	31 8	6·8	1012·0	1012·9	+ 9·0	..	274·2	8th	265·9	257·9	21st	..	*268·4*	+0·9	45	− 20
147	Malye Karmakouly	72 23	52 43	**15·3	1013·2	1015·2	+ 7·5	263·6	274·0	6th, 10th	257·1	239·8	20th	260·4	*260·6*	+4·1	27	+ 20
148	Waigatz	70 24	58 47	11·2	1015·8	1017·3	..	260·3	273·0	10th	251·5	230·5	23rd	255·9	*256·5*	..	12	..
153	Dickson	73 30 N	80 23 E	13	1014·7	1016·5	..	..	270·2	7th	239·9	230·1	18th	..	‡*243·6*	..	3	..

Between Latitude 70° N. and 60° N.

JANUARY—ZONE 2.

203	Nome	64 30 N.	165 24 W.	6·7	..	1012·5	+0·3	258·7	273·0	14th, 15th	251·0	235·2	21st	254·9	*254·7*	− 0·7	4	− 23
204	Candle	65 55	161 57	2·4	..	..	..	253·1	271·9	5th	243·7	229·7	28th	248·4	..	− 1·2	..	..
205	Tanana	65 10	152 6	67·1	..	1015·6	− 2·9	254·6	268·6	4th	246·7	229·1	21st	250·6	*250·6*	+ 3·9	14	− 3
206	Rampart	65 30	150 15	114	..	..	..	252·8	265·8	4th	247·4	229·7	29th	250·1	..	+ 5·5	28	+ 11
207	Valdez	61 7	146 16	7·6	..	..	..	270·1	276·3	4th	264·3	255·2	22nd, 24th	267·2	..	+ 2·3	206	+108
208	Eagle	64 46	141 12	254	..	1016·2	− 2·7	253·5	264·1	14th	246·0	219·1	25th	249·8	*249·6*	+ 2·7	18	+ 7
209	Dawson	64 4	139 29	324	974·7	1018·6	− 3·4	253·6	263·6	18th	247·4	225·2	25th	250·5	..	+ 7·1	30	+ 10
210	Carcross	60 11	134 34	662	..	..	..	255·3	276·3	10th	250·4	234·7	24th	252·9	..	− 0·8	61	+ 48
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	1003·7	1022·7	+ 0·8	249·2	259·7	7th	238·2	224·1	16th	243·7	..	− 1·1	7	− 7
213	ϕHay River	60 51	115 20	161	1001·7	1024·5	+ 5·0	248·1	259·7	31st	239·7	222·4	15th	243·9	..	− 2·0	44	+ 29
225	Jacobshavn	69 13	51 2	31·6	991·5	995·6	− 7·6	266·0	273·2	10th	260·2	254·2	27th	263·1	*263·2*	+ 8·2	9	0
226	Godthaab	64 11	51 43	20·4	987·4	990·0	− 8·3	269·9	278·2	10th	264·5	259·1	8th, 18th	267·2	*266·9*	+ 3·7	0	− 37
227	Ivigtut	61 12	48 10	5·0	989·6	990·2	− 7·7	271·7	278·2	2nd	265·9	260·9	8th	268·8	*268·8*	+ 3·3	35	− 48
229	Angmagsalik	65 37	37 33	**29·3	989·4	993·1	− 4·7	269·5	278·0	9th	263·0	253·3	17th	266·3	*266·2*	+ 1·6	70	− 14
231	Stykkisholm	65 5	22 46	25	..	992·6	− 4·8	275·5	280·0	28th	271·4	268·2	31st	273·5	*273·3*	+ 2·5	149	+ 78
232	Vestmanno	63 24	20 17	132	..	991·5	− 6·8	279·1	283·2	1st	272·4	269·4	16th	275·7	*276·8*	+ 2·0	144	− 2
233	Grimsey	66 33	18 1	22·0	..	..	..	274·6	277·9	1st	272·6	268·8	3rd	273·6	*273·1*	+ 1·9	33	+ 17
233a	Akureyri	65 40	18 5	4	..	994·3	− 6·3	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	995·6	− 4·4	277·2	281·4	28th	273·2	269·6	11th	275·2	*274·6*	+ 2·6	241	+115
235	Thorshavn	62 3	6 45	26·3	998·3	1001·5	− 2·3	279·4	282·6	25th	275·0	270·0	10th	277·2	*277·4*	+ 1·3	80	− 91
236	Lerwick	60 9	W 1 11	18·0	..	1008·0	+ 1·4	279·3	281·9	25, 26, 29	276·6	269·1	9th	277·9	*278·3*	+ 1·0	105	− 3
237	ϕBergen (Met Obs.)	60 24	E 5 19	44·4	1007·3	1012·9	+ 3·3	277·5	281·9	14th	272·8	266·0	10th	275·1	*275·1*	+ 0·4	169	+ 1
238	Aalesund	62 28	6 10	6·3	1010·1	1010·9	+ 3·4	..	282·8	26th	273·0	267·3	11th	..	*276·4*	+ 1·0	87	− 47
239	ϕTrondhjem	63 26	10 25	**37·0	1008·9	1013·6	+ 5·8	273·5	281·2	14th	268·0	257·7	3rd	270·7	*271·2*	+ 0·8	32	− 54
240	Bodö	67 17	14 24	22·3	1008·3	1011·1	+ 6·4	..	279·1	30th	269·9	261·0	23rd	..	*273·2*	+ 1·8	77	− 8
241	Haparanda	65 50	24 9	9·2	1018·3	1019·5	+ 9·9	267·1	275·0	31st	260·5	240·8	22nd	263·8	*264·1*	+ 2·3	49	+ 10
242	Helsingfors	60 10	24 57	11·7	1019·8	1021·3	+ 8·7	268·9	274·8	13th	264·4	250·7	23rd	266·7	*266·8*	+ 0·1	58	+ 13
242a	Kuopio	62 54	27 40	90·3	‡991·2	‡1021·6	+ 8·2	265·6	275·4	14th	259·5	242·0	23rd	262·5	*263·1*	− 0·6	30	− 16
243	Kola	68 53	33 1	6·7	1016·8	1017·7	+10·7	264·4	274·1	26th	255·9	236·0	21st	260·2	*260·6*	− 0·8	21	+ 9
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1024·3	1025·1	+13·2	260·8	274·9	15th	253·9	235·2	23rd	257·4	*257·4*	− 2·1	22	− 1
246	Mezen	65 50	44 16	14·9	1021·6	1023·6	+12·8	260·4	275·7	9th	253·1	233·0	23rd, 24th	256·8	*256·8*	− 1·5	16	+ 3
247	Oust-Tsylma	65 25	52 18	?68	1014·4	1023·8	+13·2	256·3	272·6	10th	248·1	224·8	23rd	252·2	*252·1*	− 2·4	22	+ 1
248	Tcherdyn	60 24	56 31	?177	1002·7	1026·8	+ 6·9	258·3	271·3	16th, 17th	250·9	227·3	21st	254·6	*254·3*	− 0·3	27	− 11
249	Berezov	63 56	65 4	39·5	1017·9	1023·4	+ 9·3	..	..	..	..	..	..	..	..	..	6	− 11
250	ϕObdorsk	66 31	66 36	**35·2	1017·4	1022·3	+ 7·9	..	272·2	10th	248·6	229·0	22nd	..	*252·3*	+ 4·8	8	− 1
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1017·4	1022·9	+ 4·0	..	269·5	11th	245·3	226·1	20th	..	*249·9*	0·0	12	− 6
253	Doudinka	69 23	86 4	20·0	1015·5	1018·3	+ 2·9	..	267·3	7th	235·6	221·0	23rd	..	*240·2*	− 3·1	4	− 2
254	Touroukhansk	65 47	87 57	45·0	1014·3	1020·7	− 1·6	..	266·5	7th	237·6	218·6	26th	..	*241·8*	− 2·9	16	+ 4
261	Viliouisk	63 45	121 35	120	..	..	..	..	244·3	23rd	?225·6	?217·6	7th	..	*228·3*	− 5·7	4	− 5
262	ϕIakoutsk	62 1	129 43	108	1012·6	1029·1	− 1·2	..	240·1	22nd, 23rd	224·0	216·5	6th	..	*227·9*	− 1·4	3	− 6
263	Verkhoïansk	67 33 N.	133 23 E.	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For Formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 105. ϕ Change of normals, *see* pages 105 and 106.

** Malye Karmakouly. Height redetermined as 15·3 m.
** Angmagsalik. Height changed from 31·7 m. to 29·3 m. from January 1st.
** Trondhjem. Height changed from 39·5 m. to 37·0 m. from January 1st.
** Obdorsk Height redetermined as 35·2 m.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	274·7	277·4	9th	269·8	264·7	30th	272·3	..	..	58	..
302	St. Paul Island	57 15	170 10	21·3	..	1004·0	− 1·3	270·1	276·3	12th, 14th	267·7	259·1	29th	268·9	..	+ 1·2	31	− 29
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	998·6	− 5·0	274·3	279·1	..	270·4	263·6	..	272·3	272·3	− 0·6	131	− 4
304	Port Moller	55 56	160 30	5·5	..	..	..	270·6	281·3	13th	265·2	252·4	22nd	267·9	..	..	45	..
305	Dillingham	59 0	158 28	24·4	..	..	..	266·3	281·9	13th	260·2	241·9	20th	263·3	..	+ 0·6	43	− 7
306	Kodiak (Radio)	57 46	152 22	6·1	..	1000·7	− 3·0	276·3	282·4	..	270·5	263·0	..	273·4	273·1	+ 2·2	25	− 66
307	55°—50° N. 150°—145° W.	††51 45	††147 44	§(24)	..	999·0	− 6·1	..	..	Sea Temp. 278·0|+0·6	..	..	..	..	277·4	+ 1·7	..	..
309	Sitka	57 3	135 19	27·4	..	1008·1	− 0·5	278·2	282·4	29th	273·0	265·2	23rd, 24th	275·6	275·6	+ 2·7	235	+ 41
310	Prince Rupert	54 18	130 18	51·8	1005·8	1012·2	+ 1·0	279·1	284·7	4th	274·1	263·6	1st	276·6	276·4	+ 3·4	478	+222
311	Barkerville	53 2	121 35	1274	865·4	1016·9	+ 0·8	270·2	278·0	31st	263·0	241·3	1st	266·6	266·5	+ 2·5	59	− 26
312	ϕKamloops	50 41	120 29	385	977·6	1026·8	+ 3·8	270·3	283·0	31st	264·0	245·9	1st, 2nd	267·2	267·3	− 0·7	42	+ 18
313	Calgary	51 2	114 2	1045	892·7	1021·5	+ 3·1	270·2	286·9	31st	255·2	241·3	18th, 19th	262·7	262·3	+ 0·6	21	+ 8
314	Fort Chipewyan	58 42	111 10	218	991·0	1021·4	+ 1·1	250·8	268·6	30th	241·9	228·6	15th	246·3	246·0	− 2·3	15	− 8
315	Prince Albert	53 10	105 38	442	964·3	1023·4	+ 3·4	258·6	276·9	28th	247·4	235·2	2nd	253·0	252·9	+ 0·4	15	− 5
316	Qu'Appelle	50 30	103 47	645	937·9	1022·2	+ 1·9	260·2	278·0	31st	249·1	236·3	16th	254·7	254·4	− 0·3	19	− 1
317	Minnedosa	50 15	99 50	515	953·6	1022·1	+ 1·3	257·8	274·2	29th	247·1	236·0	13th	252·4	252·1	− 1·5	24	+ 2
318	Berens River	52 18	97 23	216	..	..	..	257·9	270·8	29th, 31st	242·6	233·0	19th	250·3	..	− 0·9	13	− 9
318a	Port Nelson	57 0	92 51	14·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	11	− 11
320	Moose Factory	51 14	80 30	9·1	1014·1	1015·4	− 1·1	256·9	274·7	29th, 30th	243·0	233·6	5th	249·9	..	− 2·7	27	− 7
321	Fort George	53 50	79 5	97·5	..	..	..	253·9	269·7	16th, 29th	243·2	234·1	10th	248·6	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	258·0	273·0	30th	243·3	229·7	21st	250·7	..	− 1·1	66	+ 9
324	Natashquan	50 8	61 48	6·1	..	..	..	262·2	273·6	2nd	248·7	239·7	9th	255·4	..	− 2·3	67	− 16
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
331	55°—50° N. 30°—25° W.	††52 6	††27 17	§(24)	..	996·1	..	..	..	Sea Temp. 281·8|−0·3	..	..	..	..	279·2	..	..	..
333	53°—48° N. 20°—15° W.	††51 6	††17 23	§(29–32)	..	1003·3	..	..	..	283·1|−0·9	..	..	..	..	..	..	..	..
333a	62°—57° N. 20°—15° W.	††57 23	††16 58	§(9)	..	..	..	..	..	281·9|+0·6	..	..	..	..	282·5	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1008·1	− 5·8	282·5	285·8	21st	278·8	274·7	11th	280·7	280·9	..	166	..
335	Aberdeen	57 10	W 2 6	26·8	..	1009·1	− 1·3	279·4	284·7	29th	275·0	268·6	11th	277·2	277·4	+ 1·0	53	+ 17
336	Greenwich	51 28	0 0	46·3	..	1014·5	− 1·8	279·9	284·1	12th	275·9	269·7	4th, 5th	277·9	277·9	+ 0·9	53	− 1
337	Uccle	50 48	E 4 22	100	1004·3	1016·8	− 0·2	278·8	285·5	19th	272·3	265·5	5th	275·5	275·4	+ 1·1	71	+ 28
338	De Bilt	52 6	5 11	3·0	1016·4	1016·8	+ 0·3	276·0	282·1	20th	269·4	256·4	1st	272·7	273·1	+ 0·5	45	− 18
338a	Hamburg	53 33	9 58	40·3	1013·1	1018·2	+ 0·7	273·4	280·9	19th	269·0	260·5	16th	271·2	271·3	− 1·5	47	− 7
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1017·5	1018·1	+ 2·9	272·6	277·2	31st	267·8	259·9	6th	270·2	270·4	− 1·7	19	− 32
340	Potsdam	52 23	13 4	84·9	1008·7	1019·6	+ 1·9	272·3	278·6	19th, 20th	266·5	258·8	16th	269·4	269·4	− 1·9	22	− 17
340a	Uppsala	59 51	17 38	24	1015·5	1018·5	+ 6·1	270·5	276·6	13th	265·1	247·5	23rd	267·8	268·2	− 2·6	20	− 20
341	Warsaw	52 13	21 3	89·9	1008·6	1020·3	+ 1·0	270·0	276·8	20th	262·6	251·3	7th	266·3	266·9	− 0·6	39	+ 7
342	Tartu (Ülikooli)	58 23	26 43	74·5	1012·1	1021·9	+ 6·7	265·9	274·3	21st	259·4	246·8	25th	262·7	262·7	− 3·7	28	..
343	Leningrad	59 56	30 16	4·8	1022·4	1023·0	+ 8·6	265·6	273·9	13th, 14th	260·1	244·1	26th	262·8	262·9	− 2·3	20	− 11
344	Kiiv	50 27	30 30	183	1000·7	1024·9	+ 4·4	264·2	273·9	21st	257·7	248·7	24th	260·9	261·2	− 5·8	45	+ 21
344a	Moscow	55 50	37 33	167	1004·3	1026·6	+ 7·3	262·2	271·9	22nd	255·2	237·1	27th	258·7	259·0	− 3·2	26	− 6
345	Saratov	51 33	45 57	122	1011·4	1027·6	+ 4·3	264·5	269·1	9th	258·8	250·4	27th	261·6	261·7	+ 1·7	32	0
346	Kazan	55 47	49 8	79·9	1017·6	1028·2	+ 7·8	264·5	272·6	4th	258·6	243·4	26th	261·6	261·6	+ 2·2	9	..
347	Orenburg	51 45	55 6	109	1014·0	1028·6	+ 3·3	262·5	270·2	3rd	255·6	242·5	27th	259·0	259·2	+ 1·3	26	+ 3
348	Perm	58 1	56 16	163	1006·4	1028·4	+ 8·0	261·2	270·5	18th	254·3	235·5	21st	257·8	257·4	+ 0·2	6	− 23
349	Sverdlovsk	56 50	60 38	281	989·8	1027·4	+ 6·7	259·8	269·9	17th	252·6	235·9	27th	256·2	256·3	− 0·5	45	+ 8
350	ϕTobolsk	58 12	68 14	108	1011·8	1026·6	+ 6·0	256·7	267·6	11th	249·2	232·6	27th	253·0	253·0	− 1·1	20	+ 9
351	Akmolinsk	51 12	71 23	347	..	..	..	260·2	269·0	25th	250·3	238·1	29th	255·2	255·6	− 0·6	26	− 4
352	Omsk	55 1	73 19	108	1012·0	1026·8	+ 1·5	257·0	268·1	18th	248·8	233·5	22nd	252·9	252·8	− 0·7	18	+ 3
353	Barnaoul	53 20	83 48	162	1008·2	1030·2	+ 0·8	259·8	268·0	18th	250·9	233·0	23rd	255·4	255·5	+ 0·1	6	− 8
354	Tomsk	56 30	84 58	122	1008·8	1025·5	− 0·7	..	266·1	12th	249·9	234·2	23rd	..	253·6	0·0	46	+ 25
355	Minousinsk	53 43	91 41	248	996·0	1029·4	− 2·0	..	268·5	18th	253·1	238·3	23rd	..	257·6	+ 4·8	41	+ 10
356	Eniseisk	58 27	92 10	77·6	1013·1	1023·9	− 2·9	..	264·2	13th, 14th	244·6	224·5	23rd	..	250·8	− 0·7	5	− 3
357	Irkutsk	52 16	104 19	467	965·8	1028·3	− 4·5	258·9	267·9	7th	248·6	232·2	24th	253·7	253·9	+ 1·9	32	+ 12
358	ϕKirensk	57 47	108 7	278	987·5	1025·6	− 4·4	..	263·8	14th, 15th	243·1	223·5	25th	..	247·0	+ 1·2	16	+ 7
359	ϕTchita	52 2	113 30	674	..	..	..	..	..	..	240·7	230·6	26th	..	245·7	− 0·1	33	+ 13
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	5	+ 2
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1005·0	1024·9	− 0·3	251·3	256·6	23rd	241·2	235·4	8th	246·2	245·9	− 3·2	4	+ 1
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1001·2	‡1002·9	− 0·9	265·9	272·0	..	259·6	253·6	..	262·8	262·1	0·0	91	+ 18
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1011·2	1020·0	+ 4·0	279·6	285·8	29th	275·6	264·7	1st	277·6	277·5	+ 0·7	67	− 48
412	Portland, Oregon	45 32	122 41	46·6	1017·5	1023·0	+ 4·5	279·4	288·6	31st	273·8	263·0	1st	276·6	276·5	− 0·2	100	− 66
413	Macleod	49 44	113 24	953	..	..	..	268·6	282·4	31st	255·7	236·9	1st, 14th	262·1	262·1	− 2·9	25	+ 8
414	Helena	46 34	112 4	1253	874·9	1023·3	+ 2·6	269·9	284·7	31st	260·5	240·2	1st	265·2	265·4	− 1·4	12	− 11
414a	Salt Lake City	40 46	111 54	1329	872·9	1026·1	+ 3·8	273·2	278·6	29th	265·0	259·7	2nd	269·1	269·3	− 2·3	12	− 23
415	Cheyenne	41 8	104 48	1856	810·8	1020·3	+ 1·4	274·7	284·1	7th	263·2	251·3	3rd	268·9	269·5	− 0·7	10	0
416	North Platte	41 8	100 45	860	919·4	1023·7	+ 1·9	274·7	288·0	30th	259·6	244·1	5th	267·1	266·4	− 0·7	2	− 9
416a	Bismarck	46 47	100 38	510	958·7	1023·3	+ 2·2	265·0	283·0	30th	252·4	239·1	5th	258·7	258·8	− 1·6	1	− 12
417	Winnipeg	49 53	97 7	232	990·0	1021·4	+ 0·5	258·0	276·3	29th	248·6	238·0	16th	253·3	253·0	+ 0·2	11	− 12
418	Duluth	46 47	92 6	345	975·6	1020·0	+ 1·0	260·9	280·2	29th	250·4	238·0	5th	255·7	255·6	− 3·6	6	− 20
419	Port Arthur	48 27	89 12	196	993·2	1019·6	+ 1·5	259·1	277·4	29th	249·1	238·6	5th	254·1	254·1	− 4·0	10	− 9
420	Chicago	41 53	87 37	251	990·5	1022·0	+ 2·6	270·8	281·9	9th	261·6	246·3	5th	266·2	266·8	− 2·1	34	− 18
421	Toronto	43 40	79 24	116	1004·4	1019·3	+ 1·4	271·9	278·6	9th	263·9	252·1	26th	267·9	268·1	+ 0·3	124	+ 53
422	ϕNew York (Central Park)	40 47	73 58	47·4	1015·4	1021·4	+ 3·3	277·7	286·9	11th, 16th	269·1	258·0	22nd, 27th	273·4	273·5	+ 1·1	124	+ 34
423	St. John, N.B.	45 17	66 4	36·2	1011·4	1016·1	+ 0·5	272·3	282·2	11th	260·7	244·7	27th	266·5	266·6	+ 0·6	134	+ 12
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·7	1011·9	+ 0·2	265·9	273·6	11th	257·8	247·4	22nd	261·9	262·1	− 0·1	62	0
424a	Sable Island (Main Station)	43 57	60 6	7·6	1016·9	1017·9	+ 3·7	276·4	283·6	12th	268·9	258·0	28th	272·6	272·6	+ 0·4	116	− 18
425	Port aux Basques	47 35	59 10	9·1	1011·0	1012·2	+ 1·1	269·9	278·6	1st	263·6	254·9	22nd, 28th	266·7	266·7	− 0·3	231	+ 84
426	St. John's, Newfoundland	47 34	52 42	48·8	1002·9	1009·2	− 0·7	271·3	281·9	1, 12, 31	264·7	258·0	28th	268·0	268·1	− 0·3	151	+ 15
430	50°—45° N. 35°—30° W.	††48 46	††32 41	§(22-27)	..	1006·2	..	..	..	Sea Temp. 283·1|−2·4	..	..	..	..	279·6	..	..	..
435	Madrid	40 24	3 41	667	941·0	1020·7	− 3·3	281·8	285·7	2nd	275·1	270·6	31st	278·5	278·4	+ 0·9	35	+ 9
436	Nantes	47 15	W 1 34	36·5	1011·6	1016·3	− 3·9	282·7	286·4	18th	277·2	271·2	6th, 7th	279·9	279·8	+ 2·4	73	+ 9
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·4	1018·0	− 2·1	280·1	286·4	19th	274·2	267·2	7th	277·2	277·2	+ 1·6	46	+ 7
438	Marseille	43 18	5 23	75	..	1016·1	− 1·4	284·7	288·2	22nd	275·5	269·8	31st	280·1	280·0	+ 0·2	41	− 1
438a	Zürich	47 23	8 33	493	960·8	1022·0	− 0·2	274·3	281·4	19th	268·7	263·9	31st	271·5	271·2	− 0·6	35	− 17
439	Rome	41 54	12 27	45·5	1010·0	1015·4	− 0·9	283·6	291·1	18th	275·9	271·5	1st	279·7	279·5	− 0·6	94	+ 11
440	Vienna	48 15	16 22	203	996·1	1021·9	+ 1·2	272·2	278·5	20th	268·3	262·7	1st	270·3	270·4	− 1·0	23	− 14
440a	Budapest	47 31	19 1	130	1005·0	1021·7	+ 0·7	272·8	279·8	12th	267·0	259·9	25th	269·9	269·7	− 1·5	23	− 15
441	Sofia	42 42	23 20	550	954·5	1023·9	+ 1·6	269·9	277·4	5th, 11th	262·7	247·7	3rd	266·3	266·2	− 4·6	13	− 21
442	Bucharest	44 25	26 6	82	1013·1	1023·8	+ 2·6	269·7	277·5	20th	262·2	248·4	3rd	265·9	265·8	− 4·0	6	− 28
443	Odessa (Observatory)	46 26	30 46	42·8	1017·2	1022·8	+ 2·3	268·3	277·5	5th	262·0	250·5	25th	265·1	265·1	− 5·3	10	− 16
444	ϕKharkiv (University)	50 0	36 14	140	1007·3	1025·8	+ 3·4	265·2	274·5	1st	256·4	246·4	24th	260·8	261·0	− 4·7	59	+ 26
444a	Novorossiisk	44 44	37 49	37·1	1014·6	1019·3	− 0·1	280·4	288·4	1st	271·6	262·4	25th	276·0	275·4	− 0·4	47	− 31
445	Tiflis	41 43	44 48	404	972·3	1021·6	− 1·2	281·4	289·8	26th	273·6	269·3	8th	277·5	276·9	+ 3·8	4	− 10
446	Astrakhan	46 21	48 2	−20	1027·8	1025·3	+ 2·0	270·9	274·8	30th	265·9	258·0	13th	268·4	268·2	+ 2·3	2	− 11
447	Fort Alexandrovsk	44 31	50 7	−23·0	1025·9	1023·0	+ 1·5	275·4	280·7	3rd	270·3	265·0	12th	272·8	272·7	+ 3·4	3	− 6
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1021·8	1021·2	− 0·5	281·0	287·6	29th	275·7	268·7	12th	278·4	278·1	+ 2·5	6	− 7
449	Kasalinsk	45 46	62 7	66·7	1018·0	1026·8	+ 1·0	..	..	..	262·2	253·0	28th	..	265·6	+ 4·5	5	− 3
450	Tashkent	41 20	69 18	478	966·4	1025·5	− 0·3	280·2	288·7	9th	269·2	257·0	13th	274·7	273·9	+ 1·9	56	+ 9
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	18	+ 6
452	Alma Ata	43 16	76 53	841	925·1	1028·9	+ 0·2	273·2	282·4	10th	262·5	246·1	29th	267·8	267·7	+ 3·3	24	− 8
461	ϕMoukden	41 48	123 23	43·8	1020·4	1026·2	− 1·7	267·8	278·2	11th	255·9	247·4	27th	261·9	261·5	+ 1·6	3	− 1
462	ϕJoshin	40 40	129 11	31·9	1017·2	1021·3	+ 0·4	273·6	281·0	12th	264·4	257·9	8th	269·0	268·8	+ 1·8	12	− 10
463	ϕYuki	42 20	130 24	65·6	1013·8	1022·4	+ 0·5	269·2	273·5	13th	260·9	254·3	8th	265·1	264·9	+ 1·3	5	0
464	Vladivostok	43 7	131 54	128	1005·6	1022·8	− 0·8	262·6	272·7	3rd	254·4	248·3	10th	258·5	258·2	− 1·1	6	− 1
465	ϕOchiai	47 20	142 47	27·4	1013·0	1016·7	+ 3·3	262·0	266·3	19th	251·0	242·1	29th	256·5	257·1	− 1·0	21	− 22
466	Nemuro	43 20	145 35	26·7	1008·7	1012·1	+ 0·1	271·1	277·0	4th	263·5	256·2	30th	267·3	267·9	− 0·1	84	+ 50
466a	Syana	45 14	147 53	39·3	1005·5	1010·6	+ 0·5	270·0	274·6	10th	264·0	256·8	23rd	267·0	267·3	− 0·2	60	− 36
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

Between Latitude 40° N. and 30° N. — JANUARY—ZONE 5 (Western Half).

508	35°—30° N. 145°—140° W.	N.	W.							Sea Temp.								
511	San Francisco	††31 46	††141 48	§(24)	..	1017·6	− 5·8	..	..	290·8|+1·1	..	..	..	..	289·7	+ 0·6	..	..
512	San Luis Obispo	37 48	122 26	47·2	1016·1	1022·0	+ 2·1	286·7	291·3	15th	279·6	275·8	2nd	283·1	282·8	+ 0·4	70	− 51
513	San Diego	35 18	120 39	61·3	1013·9	1021·3	+ 1·8	292·7	299·7	5th	276·1	271·9	24th	284·4	282·9	+ 0·6	37	− 91
514	Modena	32 43	117 10	26·5	1016·2	1019·6	+ 1·1	291·2	298·0	5th	280·6	276·9	2nd	285·9	285·6	+ 0·7	7	− 39
515	Santa Fé	37 48	113 54	1670	836·6	1024·4	+ 2·4	277·4	284·7	31st	260·1	247·4	2nd	268·8	268·3	− 1·8	4	− 19
516	Denver	35 41	105 57	2138	786·3	1021·3	+ 0·7	276·4	283·0	31st	264·1	256·9	20th	270·2	269·9	− 1·0	3	− 14
517	Abilene	39 45	105 0	1613	836·6	1020·6	+ 1·7	278·2	287·4	30th	265·1	252·4	1st	271·7	271·6	− 0·1	13	+ 2
518	Saint Louis	32 23	99 40	530	959·9	1023·0	+ 2·6	284·4	294·7	31st	270·7	263·6	1st	277·6	276·8	− 2·3	5	− 17
519	Mobile	38 38	90 12	173	1002·2	1023·7	+ 3·0	274·8	289·1	8th	265·3	249·1	5th	270·0	270·3	− 2·8	29	− 29
520	Nashville	30 41	88 2	17·4	1021·6	1023·7	+ 2·7	287·2	295·8	31st	276·0	263·0	6th	281·6	281·6	− 2·0	209	+ 89
521	Charleston	36 10	86 47	166	1005·1	1025·7	+ 4·0	279·2	288·6	31st	268·3	254·7	6th	273·8	273·9	− 3·0	137	+ 17
522	Washington	32 47	79 56	14·6	1021·5	1023·3	+ 2·2	286·7	294·7	3rd	278·1	264·7	6th	282·4	282·8	− 0·5	82	+ 4
524	Bermuda	38 54	77 3	34·1	1018·9	1023·3	+ 2·8	279·8	290·2	11th	269·6	258·6	22nd	274·7	274·1	+ 0·7	82	− 5
530	Santa Cruz (Flores)	32 17	64 46	46·0	1018·6	1024·1	+ 4·4	293·3	296·0	12th, 13th	288·1	283·7	7th	290·7	290·5	+ 0·2	81	− 30
531	Horta	39 27	31 9	40	1014·2	1019·1	− 1·7	289·4	291·5	3, 9, 22	284·9	279·1	21st	287·1	287·3	− 0·1	238	+ 22
532	Ponta Delgada	38 32	28 38	65	1011·6	1019·4	− 2·0	289·4	292·6	1st	285·1	280·0	20th	287·2	287·1	− 0·5	104	− 12
532a	Faja da Cima	37 44	25 40	22	1016·9	1019·5	− 2·5	289·0	290·1	1st	285·5	282·2	21st	287·3	287·4	0·0	..	..
533	Madeira (Funchal)	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	178	+ 64
535	Lisbon	32 38	16 55	25	‡1018·8	‡1021·8	0·0	291·9	296·0	19th	286·3	284·9	27th	289·1	289·0	+ 0·8	26	− 61
535a	Melilla	38 43	9 9	95	1007·4	1019·0	− 2·1	286·8	289·7	2nd, 21st	281·7	276·7	6th	284·2	284·1	+ 0·8	110	+ 18
536	Gibraltar	35 17	2 59	40	1015·0	1019·9	− 0·4	289·4	295·9	20th	281·1	276·0	6th	285·3	285·5	0·0	91	− 11
536a	Colomb-Béchar	36 6	5 21	16·2	..	1019·0	− 2·2	288·9	293·6	2nd	282·2	279·1	29th	285·5	285·6	− 0·2	126	− 3
		31 36	2 4	769	930·0	1020·0	..	288·9	296·8	22nd	275·6	271·5	29th	282·3	281·1	..	0	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

JANUARY—ZONE 5 (Eastern Half).

RÉSEAU MONDIAL

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1014·3	1017·1	− 2·4	286·8	290·0	18th	278·7	275·0	31st	282·7	..	..	8	− 33
538	Algiers (Bouzaréah)	36 47	3 2	344	976·7	1017·8	− 2·1	285·3	290·8	13th	280·8	273·9	31st	283·1	*283·0*	+ 0·4	120	+ 18
538*a*	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1012·1	1014·6	..	286·1	290·0	23rd	279·1	276·0	30th	282·6	*282·3*	+ 0·2	92	+ 36
539*a*	Malta	35 54	14 31	56·4	..	1014·3	− 2·8	286·6	290·2	5th	282·4	277·4	25th	284·5	*284·1*	− 1·4	73	− 9
540	Riposto	37 41	15 14	14·2	..	1015·7	− 3·3	286·2	289·2	19th	280·1	276·0	3rd	283·1	*282·9*	− 1·3	90	− 16
541	Athens	37 58	23 43	107	1003·1	1016·3	− 1·8	282·7	288·2	10th	277·0	267·5	26th	279·9	279·6	− 1·9	59	+ 4
542	Alexandria	31 12	29 53	32·0	1011·2	1015·1	− 3·0	291·3	293·7	15th	?282·8	?280·4	29th	?287·1	*?286·6*	− 0·4	80	+ 27
543	Nicosia (P.W.D.)	35 9	33 22	159	994·8	1014·0	− 3·3	287·1	290·8	3rd, 5th	279·2	274·1	29th	283·1	..	+ 0·3	145	+ 81
544	Beirut	33 54	35 28	33·7	..	1014·2	− 3·6	289·5	293·4	12th	283·9	280·9	29th, 30th	286·7	*286·5*	+ 0·4	232	+ 41
545	Hinaidi	33 17	44 29	32·3	..	1017·8	− 3·5	288·4	293·7	1st	278·6	272·4	20th	283·5	*283·4*	..	53	..
546	Lenkoran	38 46	48 52	−20·0	1023·5	1021·1	− 1·4	..	286·4	1st	277·3	272·0	17th	..	*279·2*	+ 3·0	115	+ 20
547	Tehran	35 41	51 25	1220	..	..	..	281·1	287·7	2, 3, 5	273·7	269·2	23rd	277·4	*277·0*	+ 2·8	120	+ 78
548	Meshed	36 16	59 35	946	883·5	..	..	282·8	290·4	2nd	268·7	261·6	18th	275·7	..	+ 1·4	30	+ 9
549	Seistan	31 0	61 30	610	..	..	..	287·5	293·7	26th, 30th	275·3	269·7	21st	281·4	..	..	3	− 6
550	Quetta	30 11	67 3	1677	836·4	..	+ 1·2	282·7	289·6	31st	270·7	265·3	5th	276·7	*276·3*	− 0·6	51	+ 2
551	Peshawar	34 2	71 37	339	981·2	1022·7	+ 1·3	290·2	294·4	30th	275·8	273·1	14th, 22nd	283·0	*281·9*	− 0·7	4	− 36
551*a*	Lahore	31 34	74 20	214	994·4	1020·6	+ 1·6	290·7	294·7	30th*	278·6	275·4	3rd	284·7	*283·9*	− 0·8	53	+ 26
552	Simla	31 7	77 8	2204	782·5	..	+ 1·1	280·1	282·7	20th	274·5	270·7	21st	277·3	*276·9*	− 1·4	66	− 3
552*a*	Leh	34 10	77 42	3503	665·4	..	+ 0·3	268·7	271·6	12th	257·6	252·2	25th	263·1	*262·0*	− 3·0	17	+ 8
559	ϕHankow	30 35	114 17	37·0	1022·3	1026·9	− 1·2	282·1	290·3	13th	274·3	269·8	1st	278·2	*278·0*	+ 0·9	41	− 3
560	ϕTientsin	39 10	117 10	5·0	1025·9	1026·5	− 1·7	276·3	281·8	12th	266·2	259·4	27th	271·3	*270·9*	+ 1·9	1	− 3
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1026·2	− 0·3	282·7	289·0	5th	273·3	267·2	5th, 28th	278·0	277·1	+ 0·9	31	− 19
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1016·3	1025·0	0·0	275·7	283·1	1st, 2nd	267·2	257·4	27th	271·5	271·0	+ 1·6	8	− 11
562*a*	Nagasaki	32 44	129 52	133	1006·0	1022·4	+ 0·5	283·0	290·5	13th	275·1	270·4	27th	279·1	279·0	+ 0·3	44	− 35
563	Kyoto	35 1	135 44	42·9	1015·1	1020·5	+ 1·3	282·3	289·1	13th	271·2	267·3	27th	276·7	275·7	+ 0·1	11	− 51
564	Tokyo	35 41	139 46	5·8	1016·7	1017·4	+ 1·1	281·8	287·2	7th	270·7	268·1	28th	276·2	275·7	− 0·3	9	− 47
565	Kanayama	37 53	140 46	24·6	1013·6	1016·7	+ 0·5	279·4	285·2	7th	268·7	263·4	19th	274·1	273·5	− 0·2	7	− 48
566	Miyako	39 38	141 59	30·4	1011·7	1015·5	+ 0·7	280·0	287·9	13th	267·7	263·0	17th	273·9	272·6	+ 0·2	24	− 45
		N.	E.															

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1015·9	0·0	295·4	298·0	4th	287·6	284·1	13th	291·5	*291·0*	..	219	..
605	Honolulu	21 19	157 52	11·6	1016·0	1017·4	+ 1·5	297·4	299·1	..	291·4	288·6	..	294·4	*294·1*	− 0·1	3	− 92
614	La Paz	24 10	110 20	12	1014·3	1015·7	..	293·2	295·8	14th	286·5	281·0	18th	289·8	*289·3*	..	3	..
615	Chihuahua	28 38	106 4	1423	860·8	1020·4	..	287·2	294·5	10th	273·0	268·0	11th	280·1	*281·0*	− 2·9	3	− 4
616	Leon	21 7	101 41	1809	823·9	1017·1	+ 1·5	295·4	299·5	1st	278·6	274·0	6th	287·0	*286·7*	0·0	7	− 3
616*a*	Monterry	25 40	100 18	528	959·5	1022·1	+ 3·5	289·2	298·0	9th	279·8	271·8	5th	284·5	*282·9*	− 3·9	12	− 1
617	Tulancingo	20 5	98 22	2181	790·7	1015·7	..	290·9	295·8	2nd	278·6	273·2	7th	284·7	*284·0*	− 0·7	23	+ 6
618	Galveston	29 18	94 50	16·5	1021·5	1023·7	+ 3·0	286·6	294·7	31st	279·8	269·7	6th	283·2	*282·8*	− 1·8	149	+ 66
618*a*	New Orleans	29 57	90 4	16·2	..	1023·7	+ 3·4	287·4	296·9	2nd	277·9	265·8	6th	282·7	*282·6*	− 2·6	157	+ 42
619	Merida, Yuc.	20 58	89 38	22	1014·9	1017·5	− 0·6	300·3	304·2	16th	292·2	289·6	7th	296·2	*294·7*	+ 0·3	75	+ 51
620	Havana	23 8	82 21	24·3	..	1019·0	+ 0·3	299·3	303·0	3rd	293·0	290·3	29th	296·1	*295·8*	+ 1·3	300	+235
620*a*	Key West	24 33	81 48	6·7	1018·6	1019·3	− 0·5	297·4	301·3	3rd	292·2	286·9	6th	294·8	*294·1*	+ 1·1	82	+ 33
621	Nassau, Bahamas	25 5	77 21	7·3	..	1019·8	+ 0·4	297·2	..	..	292·6	..	..	294·9	*294·8*	− 0·2	121	+ 60
622	Watling Island	24 6	74 26	33·5	..	1018·7	+ 0·6	..	301	16, 17, 26	..	294	3, 8, 12	..	*297·1*	..	..	..
633	Port Etienne	20 56	17 3	4	1015·9	1016·4	..	299·8	303·5	1st, 11th	287·5	282·5	4th	293·7	*291·7*	..	0	..
634*m*	Izaña	28 19	16 30	2367	767·1	..	..	280·2	289·9	18th	274·0	266·9	29th	277·1	*276·5*	+ 0·4	42	..
634	La Laguna	28 28	16 20	547	955·0	1019·1	− 1·0	288·5	294·3	21st	282·7	277·4	30th	285·6	*285·1*	+ 0·3	57	− 47
636	Adrar	27 36	W 0 4	168	..	..	..	295·2	302·9	1st	277·0	273·1	5th, 31st	286·1	*286·9*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	sev. dates	..	..	..	..	..
641	Siwa	29 12	25 29	−23	1018·8	1016·0	..	291·4	295·0	16th, 18th	275·1	271·0	..	283·2	..	..	1	..
643	Cairo (Helwan)	29 52	31 20	116	1002·2	1016·2	− 2·5	290·6	294·5	18th	280·4	276·0	29th	285·5	*285·3*	− 0·6	14	+ 4
643*a*	Aswan	24 2	32 53	99·6	1004·4	1016·3	− 1·5	295·7	302·3	2nd	282·0	278·3	15th	288·8	*288·0*	0·0	..	..
644	Tor	28 14	33 37	1·9	1015·2	1015·5	− 1·8	293·6	298·2	27th	281·8	277·6	30th	287·7	*287·4*	+ 0·5	0	..
647	Bushire	28 59	50 53	4·3	1017·7	1018·2	− 0·9	291·8	295·7	6th	285·4	281·2	20th	288·6	*288·4*	+ 1·2	203	+134
648	Jask	25 44	57 47	4·0	1018·7	1019·1	+ 0·6	297·3	299·3	1st	290·2	287·1	2nd, 21st	293·7	*293·5*	+ 1·0	6	− 22
649	Karachi	24 53	66 57	4·0	1019·3	1019·8	+ 1·6	297·3	299·6	18th	285·8	283·4	23rd	291·6	*291·4*	− 1·0	0	− 13
650	Jacobabad	28 17	68 29	56·7	1014·1	1021·0	+ 2·1	295·1	298·7	13th	280·0	276·3	21st	287·6	*286·9*	+ 0·1	0	− 7
651	Jaipur	26 56	75 52	436	969·2	1021·0	+ 1·5	294·4	298·3	20th	281·3	276·0	22nd	287·9	*287·2*	− 1·3	24	+ 12
652	Nagpur	21 8	79 5	310	982·3	1018·3	+ 1·1	301·0	304·4	22nd	287·9	284·6	2nd	294·5	*294·1*	+ 0·6	7	− 4
653	Allahabad	25 25	81 51	94·2	1008·9	1019·7	+ 2·2	296·2	301·4	21st	282·1	278·6	23rd	289·2	*288·3*	− 0·1	14	− 5
653*a*	Darjeeling	27 3	88 18	2265	777·9	..	+ 1·3	281·6	285·9	5th	275·1	273·7	15th	278·3	*277·9*	+ 0·5	2	− 12
654	Calcutta	22 36	88 23	6·4	1017·5	1018·3	+ 1·2	298·6	301·8	31st	287·6	284·3	1st	293·1	*292·7*	+ 1·3	6	− 3
655	Gauhati	26 8	91 41	59·7	1011·7	1019·0	+ 0·4	297·3	299·2	30th	283·3	280·7	4th	290·3	*289·6*	+ 0·3	5	− 3
655*m*	Cherrapunji	25 15	91 42	1313	871·9	..	+ 1·0	289·6	291·8	28th	281·6	279·3	17th	285·6	*284·9*	+ 0·8	9	− 2
655*a*	Akyab	20 11	92 56	6·1	1015·6	1016·3	+ 0·7	299·5	302·2	16th	288·6	286·2	19th	294·1	*293·6*	− 0·1	0	− 2
656	Mandalay	21 59	96 0	76·2	1008·6	1017·6	+ 1·2	300·7	303·4	24th	286·6	284·9	16th, 24th	293·7	*293·0*	− 0·6	0	− 1
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	289·8	291·3	3rd	273·1	271·3	15th	281·4	*280·7*	− 0·2	3	− 8
657	Phu Lien	20 48	106 38	116	1004·7	1018·3	− 1·1	295·2	301·9	17th	289·0	282·8	1st	292·1	291·4	+ 1·8	67	+ 33
658	Moncay	21 31	107 51	9·0	1018·1	1019·2	− 0·9	293·3	299·1	14th, 17th	287·3	280·5	2nd	290·3	*290·1*	+ 1·5	73	+ 32
659	Hongkong	22 18	114 10	33·2	..	1019·9	+ 0·2	291·8	296·8	7th	288·4	281·6	1st	290·1	289·9	+ 1·3	27	− 6
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1020·6	1021·7	+ 0·6	293·0	299·9	6th	286·4	281·4	2nd	289·7	289·1	+ 0·8	79	− 8
661*a*	Basco	20 28	121 59	18·7	..	1015·9	+ 0·7	297·9	301·8	13th	293·5	290·9	24th	295·7	*295·8*	+ 0·5	128	−108
662	Naha	26 13	127 41	10·5	1019·7	1021·0	+ 1·0	292·9	298·2	15th	286·2	281·3	3rd	289·5	289·6	+ 0·5	113	− 19
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1017·3	1017·8	+ 0·2	293·3	296·1	9th	287·5	282·5	13th	290·4	290·5	− 0·1	27	− 80
		N.	E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

JANUARY 1924

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	..	+ 0·2	293·4	297·4	1st	277·4	272·0	7th	285·4	284·8	+ 0·1	3	− 6
718	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	San Salvador	13 42	89 12	682	937·8	1013·7	+ 0·3	305·2	307·4	24th	288·4	286·0	7, 10, 12	296·8	*295·2*	+ 0·1	1	− 6
720	Belize	17 29	88 12	5·2	1015·1	1015·8	− 1·2	300·0	302·4	4th	293·2	288·6	8th	296·6	*296·1*	− 0·3	206	+ 64
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1015·4	+ 0·7	303·4	305·5	1st	293·3	291·9	15th	298·3	*297·9*	+ 0·7	24	− 12
722	Port au Prince	18 33	72 20	37·4	1012·3	1016·6	+ 0·7	304·2	306·3	11th	293·2	290·8	25th	298·7	*298·1*	+ 0·4	37	+ 6
723	Caracas	10 30	66 56	1042	900·7	1016·1	+ 1·4	297·0	299·4	10th	285·6	282·4	30th	291·3	*290·4*	− 0·7	3	− 19
723*a*	Montserrat	16 41	62 9	36·6	?1012·5	?1016·8	+ 0·6	300·3	303·6	22nd	295·0	293·6	21st, 31st	297·7	*297·3*	+ 0·2	118	+ 1
724	San Juan, Porto Rico	18 29	66 7	25·0	1015·2	1018·3	+ 1·0	299·2	300·2	23rd	294·2	291·9	30th	296·7	*296·6*	− 0·1	78	− 39
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡997·0	‡1015·0	+ 1·5	300·6	302·4	30th	295·1	294·1	sev. dates.	297·8	*297·4*	− 0·2	121	+ 9
725	ϕBarbados	13 8	59 36	55·2	..	1015·2	+ 0·6	300·6	301·9	30th	..	..	..	..	*296·4*	0·0	48	− 38
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·5	1013·8	− 1·4	297·5	300·5	19th	291·1	289·0	26, 28, 30	294·3	*295·2*	+ 0·6	38	+ 33
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	298·3	300·8	21st	294·0	292·0	25th	296·1	*296·3*	+ 0·8	8	+ 5
733	Dakar	14 40	17 26	32	1009·1	1012·8	..	300·2	304·2	20th	290·9	290·0	31st	295·5	*294·3*	+ 0·9	0	− 1
734	Bathurst	13 27	16 34	1·8	1014·2	1014·3	+ 0·8	301·7	305·2	21st, 23rd	291·3	288·6	1, 3, 6	296·5	*296·3*	+ 0·3	0	0
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	309·1	..	..	286·3	..	..	..	..	0	0
735	Niénébalé	12 57	7 26	300	..	..	..	306·1	309·6	5th	287·6	282·2	1st	296·9	*296·7*	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	16	+ 15
737	Sokoto	13 2	E 5 14	353	..	..	..	305·5	309·1	25th, 28th	286·3	282·4	13th	295·9	*295·6*	− 0·8	0	..
738	ϕKaduna Capital	10 32	7 25	637	944·1	1015·8	− 0·6	304·2	306·9	28, 29, 30	..	..	..	..	*?295·7*	+ 1·1	0	0
739	Hadeija	12 40	10 5	?	..	..	..	304·3	309·1	27, 28, 31	287·3	281·9	24th	295·8	*295·5*	+ 0·6	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	305·7	310·8	29th	286·8	283·6	10th, 24th	296·3	*296·0*	+ 0·1	14	+ 13
741	El Fasher	13 32	25 18	730	..	..	..	304·3	308·4	26th	284·5	278·5	6, 7, 8	294·4	*293·2*	..	0	..
743	El Obeid	13 11	30 14	569	947·1	1011·5	− 1·1	303·6	310·6	26th	286·9	281·4	16th	295·2	*294·5*	+ 1·9	0	0
743*a*	Khartoum	15 37	32 33	390	967·2	1011·0	− 1·8	303·6	312·5	26th	289·1	284·9	16th	296·3	*296·3*	+ 0·8	0	0
744	Port Sudan	19 37	37 13	5·5	1012·6	1013·2	− 1·6	300·5	303·2	8th	294·1	289·8	16th	297·3	*296·6*	+ 0·7	4	− 7
745	Berbera, Somaliland	10 22	45 2	9·5	1015·5	1016·6	..	305·1	306·9	23rd	292·4	288·6	4th, 5th	298·7	*297·9*	+ 0·8	0	− 3
746	Aden	12 45	45 3	28·7	1012·8	1016·2	− 0·2	300·4	301·4	7th, 16th	296·3	294·9	16th	298·3	*297·7*	+ 0·7	1	− 7
751	Bombay	18 54	72 49	11·3	1014·2	1015·5	+ 0·1	301·2	303·0	19th	293·0	289·2	6th	297·1	296·3	− 0·1	0	− 3
752	Kodaikanal	10 14	77 28	2343	772·5	..	+ 0·4	290·8	294·5	27th	281·1	278·3	18th	285·9	*285·2*	+ 0·3	67	− 6
752*a*	Bangalore	12 59	77 38	921	914·1	1016·1	+ 0·6	301·8	303·2	23rd	287·9	284·8	20th	294·8	*294·3*	+ 1·6	1	− 6
753	Madras	13 4	80 14	6·7	1015·8	1016·5	+ 1·0	301·9	302·9	30th	293·2	290·9	21st	297·6	*297·2*	+ 0·1	60	+ 25
754	Vizagapatam	17 42	83 19	11·6	1016·2	1017·9	+ 1·1	299·6	301·8	15th	292·5	290·8	23rd	296·1	*295·7*	+ 0·1	7	− 5
755	Port Blair	11 40	92 40	18·0	1012·0	1014·1	+ 0·5	302·2	303·3	29th, 30th	297·9	294·7	21st	300·1	*299·7*	+ 0·2	29	− 13
756	Rangoon	16 46	95 48	5·5	1015·1	1015·8	+ 0·9	304·9	306·4	25th	292·9	289·5	20th	298·9	*297·8*	+ 1·1	9	+ 3
757	Saigon (Cap St. Jacques)	10 20	107 5	180	992·4	1013·1	+ 1·5	299·6	301·6	4th, 7th	295·8	293·4	4th	297·7	*297·3*	0·0	0	− 4
758	Nhatrang	12 15	109 12	3·6	1014·8	1015·2	+ 0·6	301·0	302·6	25th	293·8	291·9	7th	297·4	*296·9*	+ 0·3	58	− 8
759	Bolinao	16 23	119 53	7·1	..	1013·1	+ 1·5	304·0	306·5	24th	291·9	288·2	6th	297·9	*298·1*	− 0·7	1	− 10
761	Vigan	17 34	120 23	12·2	..	1013·7	+ 1·1	303·0	304·2	16th	294·8	291·9	2nd	298·9	298·7	+ 0·3	8	+ 7
761*a*	Manila	14 35	120 59	14·2	..	1014·1	+ 1·9	303·0	305·2	29th	293·4	291·0	5th	298·2	297·2	− 0·6	57	+ 36
762	Ormoc	11 0	124 36	5·6	..	1011·8	+ 1·8	304·4	305·9	25th	294·2	291·6	23rd, 24th	299·3	*298·7*	+ 0·6	53	−126
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1011·1	+ 1·4	301·4	303·0	2nd, 27th	296·1	293·0	24th	298·7	*298·4*	− 0·6	62	0
		N.	E.															

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1009·6	1010·1	..	303·9	306·9	18th	297·9	296·2	7th	300·9	*300·5*	+ 0·6	345	+ 61
821	Colon	9 23	79 23	11·0	..	1011·7	0·0	302·2	304·1	26th	297·9	295·8	31st	300·1	*299·7*	+ 0·4	15	− 80
822	Bogota	4 36	74 5	2645	744·8	..	..	293·5	295·8	24th	282·5	279·3	3rd	288·0	*287·5*	..	0	− 58
822*a*	Merida, Venez	8 36	71 9	1641	‡841·5	..	− 0·2	297·4	299·0	21st	287·1	285·0	3rd, 20th	292·2	*291·3*	+ 0·9	59	− 15
823	Ciudad Bolivar	8 9	63 33	38	1008·4	1012·8	..	303·5	304·7	21st, 31st	295·0	293·5	5th	299·3	*298·7*	..	17	+ 4
824	El Peru, Guayanavieja	7 19	61 49	220	986·7	1011·9	+ 0·9	300·6	301·6	16th	291·7	289·1	25th	296·1	*295·5*	− 0·8	59	− 37
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1013·4	+ 0·6	302·5	303·8	17th	296·7	294·1	26th, 27th	299·6	*298·9*	+ 0·3	106	− 97
826	Paramaribo	5 49	55 9	3·7	‡1012·7	‡1013·1	+ 0·2	303·0	304·6	13th	293·0	290·6	31st	298·0	*298·9*	+ 0·5	127	− 88
826*a*	Cayenne	4 56	52 21	6	..	..	..	301·8	304·0	5th	296·3	294·0	8th, 29th	299·1	*298·4*	− 0·1	45	−320
831	10°—5° N. 30°—25° W.	†† 7 4	†† 27 5	§(118-126)	..	1013·2	+ 1·2	..	..	Sea Temp. 299·2	+ 0·5	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	299·0	+ 0·4	..	..
834	Freetown, Sierra Leone	8 29	13 14	68·3	1003·0	1010·9	+ 0·1	304·4	307·4	5th, 8th	296·4	292·4	7th	300·4	*299·4*	0·0	2	− 8
835	Assuantsi	5 18	1 15	101	..	..	..	304·1	305·8	28th, 29th	294·2	293·0	8, 21, 22	299·1	*298·5*	..	57	+ 21
836	Accra	5 33	W 0 12	27·0	1006·4	1009·5	..	304·7	305·8	6, 11, 25	295·3	294·1	11th, 22nd	300 0	*299·4*	+ 0·5	52	+ 37
837	Lagos	6 27	E 3 24	4·6	1008·3	1008·7	− 0·9	304·8	306·1	2nd	296·8	291·5	27th	300·8	*299·9*	+ 0·6	49	+ 23
838	Zungeru	9 48	6 10	130	..	..	..	308·3	311·3	27th, 29th	291·5	288·0	2, 4, 8	299·9	*299·6*	0·0	0	− 1
839	Yola	9 12	12 30	259	..	..	..	307·7	310·2	26th, 30th	..	..	..	..	‡*299·2*	+ 0·4	0	− 1
841	Wau	7 42	28 3	440	..	..	..	..	..	..

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1008·7	1009·7	+ 0·6	303·6	304·4	1st	298·4	297·4	9th	301·0	*300·3*	+ 0·1	9	− 94
924	ϕManaos	3 8	60 1	43·8	1004·0	1009·0	..	306·4	310·4	13th	296·8	295·0	6th	301·6	*300·2*	+ 1·1	210	− 38
926	Taperinha	2 30	54 20	20·0	1008·4	1010·6	− 0·1	304·3	305·5	2, 17, 31	296·1	295·0	31st	300·2	*299·4*	+ 1·3	70	− 99
927	Turyassu	1 43	45 26	9·1	1008·8	1010·0	− 0·4	304·6	306·8	3rd, 9th	296·2	293·2	31st	300·4	*299·8*	+ 0·6	243	+ 52
928	Barra do Corda	5 30	45 16	81·0	999·8	1009·1	− 0·3	305·1	307·8	9th	294·5	293·4	17, 22, 25	299·8	*298·8*	+ 0·5	211	+ 26
929	Quixeramobim	5 16	39 15	207	987·8	1011·0	+ 0·2	306·1	308·0	11th	298·9	295·9	28th	302·5	*301·9*	+ 0·7	59	− 19
930	Fernando Noronha	3 50	32 25	106	999·2	1011·0	− 0·6	302·3	303·2	10th, 30th Sea Temp.	297·9	295·7	21st	300·1	*299·5*	+ 0·9	47	− 10
930*a*	5°—10° S. 35°—30° W.	††7 34	††33 19	§ (59)	..	1011·4	..	..	..		299·4	−0·2	..	..	300·4	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 42	††31 48	§ (42)	..	1011·3	..	..	..		299·9	+0·5	..	..	300·3	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1010·3	1012·1	− 1·3	303·3	304·7	17th	297·2	295·8	2, 8, 10	300·2	*299·4*	+ 1·3	21	+ 17
939	ϕLoanda	8 49	E 13 13	51	..	1009·9	− 1·1	302·4	305·0	26th	296·9	295·4	29th	299·7	299·3	+ 1·2	141	+112
940	Brazzaville	4 17	15 16	321	976·8	1012·9	+ 1·4	304·0	307·5	16th	294·4	293·0	15th	299·2	*298·6*	+ 0·1	204	+100
943	ϕMasaka	0 21	31 47	?1280	..	..	..	305·2	305·8	sev. dates.	..	..	..	..	*293·1*	0·0	37	− 17
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	0	− 43
944*a*	Zanzibar	6 10	39 11	21·9	1011·1	1013·5	+ 0·4	303·5	305·6	25th	299·8	298·5	11th	301·7	*301·3*	+ 0·5	70	− 2
945	Lamu	2 16	40 50	3·0	..	..	..	302·4	304·1	19th, 21st	297·6	294·1	8th	300·0	*299·6*	− 0·3	0	− 5
947	Seychelles, Port Office	4 37	55 27	4·6	1011·5	1012·4	+ 0·7	301·5	302·5	5th, 24th	298·4	296·6	31st	299·9	*299·3*	+ 0·3	320	−109
957	Padang	0 56	100 22	6·7	..	1010·8	− 0·2	..	..	..	..	..	..	..	..	..	309	− 36
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 0·8	303·3	305·4	7th	296·6	295·6	1, 3, 16	300·0	299·5	+ 1·0	152	−179
958*a*	Pontianak	0 1	109 20	2·6	..	1011·8	+ 1·4	..	..	..	..	..	..	..	..	..	304	+ 31
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	168	− 84
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	663	+199
962	Amboina	3 42	128 10	4·2	..	1010·1	+ 1·2	..	..	..	..	..	..	..	..	..	83	− 47
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	626	+337
965	ϕDaru	9 4	143 13	7·6	..	1007·7	− 1·1	304·4	..	..	297·4	..	..	300·9	*300·4*	+ 0·3	249	− 93
966	Port Moresby	9 29	147 9	39·0	..	1008·5	+ 0·3	304·4	..	..	297·4	..	..	300·9	*300·4*	0·0	181	− 5
967	Rabaul	4 9	152 12	20·7	..	1008·4	..	304·1	305·8	1st, 26th	295·8	295·0	23rd	299·9	*299·4*	− 0·4	593	+201
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1007·7	1008·0	+ 1·0	304·1	306·1	3rd	297·2	296·3	18th	300·7	*300·5*	− 0·3	443	+106
970	Ocean Island	0 52	169 35	54·0	..	..	..	302·6	304·7	3, 10, 29	296·2	293·6	20th	299·4	*298·8*	− 1·5	792	+501
		S.	E.															

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1007·1	− 0·8	302·5	304·5	26th	296·9	295·7	29th	299·7	299·4	+ 0·2	450	+ 17
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	303·9	305·8	sev. dates.	295·8	292·4	2nd, 4th	299·8	*299·6*	+ 0·1	356	+ 97
1021	Arequipa	16 22	71 33	2452	761·2	..	+ 0·8	295·2	297·7	17th	284·0	280·3	31st	289·6	*289·1*	+ 1·9	12	− 19
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	284·9	283·0	sev. dates.	..	*293·6*	..	31	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	995·5	1008·4	+ 0·8	306·8	310·6	25th	294·7	289·6	19th	300·8	*300·2*	+ 0·5	90	−123
1026	Cuyaba	15 36	56 6	165	990·1	1008·8	+ 0·4	305·0	309·0	25th	294·9	291·7	19th	300·0	*298·7*	− 0·2	235	− 6
1027	Bello Horizonte	19 55	43 57	895	912·7	1011·5	0·0	298·0	303·6	28th	291·3	288·6	23rd	294·6	*294·0*	− 0·8	608	+260
1028	Caetite	14 3	42 37	897	914·1	1011·9	− 0·2	302·6	307·9	6th	292·2	289·2	15th	297·4	*296·7*	+ 0·5	171	+ 34
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·5	1010·8	− 1·6	303·0	304·6	10th	297·1	295·8	25th	300·0	*299·6*	+ 1·0	50	− 25
1030	Aracaju	10 55	37 3	6·1	1012·0	1012·8	− 0·6	303·3	306·0	9th Sea Temp.	296·3	293·6	4th	299·8	*299·7*	− 0·2	31	0
1030*a*	15°—20° S. 40°—35° W.	††17 31	††37 41	§ (57-60)	..	1011·9	..	..	..		299·8	+0·4	..	..	300·4	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††13 6	††36 4	§ (36-41)	..	1011·5	..	..	..		300·4	+0·7	..	..	300·9	..	..	..
1035	St. Helena	15 57	W 5 40	604	945·9	1014·4	+ 1·4	297·8	299·2	13th, 27th	286·8	285·8	27th	292·3	*292·0*	+ 1·3	48	− 27
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	301·9	22nd	..	291·4	14th, 15th	..	*297·0*	..	14	..
1041	Livingstone	17 51	25 51	972	903·9	1007·8	..	306·9	310·3	18th	292·4	290·9	24th	299·7	..	..	127	..
1041*a*	Elisabethville	11 39	27 28	1236	876·8	1008·7	+ 1·0	301·6	304·6	14th	289·8	287·8	17th	295·7	..	+ 0·6	278	+ 46
1042	Gwelo	19 28	29 48	1417	861·2	1010·3	+ 1·1	304·4	310·0	19th	288·8	283·0	4th	296·6	..	+ 2·4	25	−140
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	852·7	1007·7	+ 0·2	300·5	303·6	19th	288·2	285·5	4th	294·3	293·7	+ 0·4	64	−126
1044	Zomba	15 23	35 18	955	906·0	1010·3	+ 2·1	300·3	303·6	12th, 20th	291·1	288·6	1st, 22nd	295·7	*295·3*	0·0	194	− 88
1044*a*	Mossuril	14 57	40 40	15	..	1010·9	..	303·9	306·9	20th	296·1	294·0	17th	300·0	299·6	..	237	..
1045	Antananarivo	18 55	47 33	1375	864·2	1011·3	+ 1·5	300·0	302·6	13th	288·3	286·2	6th	294·2	293·2	+ 0·3	79	−220
1046	Tamatave	18 10	49 24	5	..	..	..	301·8	305·5	..	294·3	287·0	..	298·0	*297·5*	..	592	..
1047	Vohémar	13 21	50 1	3	..	..	..	304·8	306·0	..	296·5	296·0	..	300·8	*300·3*	..	179	..
1048	Antalaha	14 58	50 19	3	..	1008·8	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1013·4	1014·1	+ 1·5	303·5	304·7	29th, 31st	298·5	296·8	1st	301·0	*300·6*	+ 0·6	18	−116
1057	Christmas Island	10 25	105 43	5·5	1008·4	1009·0	+ 1·2	303·8	305·8	11th, 13th	297·1	295·2	2, 8, 10	300·4	*299·7*	0·0	389	+162
1061	Kupang	10 10	123 34	45·1	..	1010·2	+ 1·4	304·5	306·9	26th	297·1	295·7	29th	300·8	300·4	+ 0·9	144	−257
1061*a*	Derby	17 18	123 40	16·2	1007·4	1009·5	+ 2·6	307·5	310·8	31st	299·7	294·9	21st	303·6	..	+ 0·2	65	−132
1062	Hall's Creek	18 13	127 46	373	966·8	1007·9	+ 1·5	309·1	312·6	25th	296·1	292·6	19th	302·6	*302·1*	− 0·8	146	0
1063	Darwin	12 28	130 51	29·6	1005·0	1008·4	+ 2·4	306·3	308·8	28th	298·6	294·4	19th	302·4	*301·4*	+ 0·6	164	−240
1064	Daly Waters	16 16	133 23	211	981·4	1004·7	− 0·2	309·5	314·1	31st	296·7	292·4	24th	303·1	*302·6*	− 0·1	111	− 51
1065	Mein	13 13	142 47	122	992·4	1006·1	+ 0·5	305·8	308·6	27, 28, 30	295·6	293·7	12th	300·7	*300·0*	+ 0·1	353	+ 10
1066	ϕGeorgetown, Queensland	18 22	143 32	302	973·7	1007·1	+ 0·4	308·4	313·7	12th	295·2	288·6	23rd	301·8	..	+ 0·7	110	−101
1066*a*	Willis Island	16 18	149 59	8·5	1005·7	1006·7	..	303·2	304·7	21st	299·1	296·9	3rd, 5th	301·1	*300·7*	..	26	..
1067	Samarai	10 37	150 40	15·2	..	1008·3	+ 0·6	303·9	..	..	296·1	..	..	300·0	*299·8*	− 0·8	146	− 34
1072	ϕSuva, Fiji	18 8	178 26	6·1	1007·8	1008·4	− 0·3	303·1	304·9	17th	295·9	293·6	30th	299·5	*299·3*	− 0·1	231	− 59
		S.	E.															

*For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

JANUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	301·6	303·6	1st	296·4	292·4	3rd	299·0	*298·8*	+ 0·2	231	− 4
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·8	1015·0	+ 0·5	292·8	294·5	26th, 31st	288·0	286·5	19th	290·4	*290·1*	+ 0·2	0	0
1122	Iquique	20 12	70 11	9	1012·6	1013·6	0·0	296·9	300·0	20th	289·9	288·3	20th	293·4	*293·8*	− 0·2	0	0
1123	Catamarca	28 27	65 47	510	951·9	1008·2	+ 1·8	306·0	311·0	29th	292·2	283·7	17th	299·1	*298·9*	− 0·9	69	− 6
1124	Salta	24 46	65 28	1178	883·1	1010·8	+ 2·3	300·4	304·9	15th	288·8	282·0	18th	294·6	*294·1*	− 0·9	167	− 5
1125	Goya	29 9	59 15	26·	1008·8	1011·8	+ 4·1	304·8	310·0	1st	292·2	284·1	17th	298·5	*297·8*	− 0·9	51	− 64
1126	ϕAsuncion	25 17	57 41	93	1000·3	1010·9	+ 2·8	307·6	312·3	7th	292·8	285·3	18th	300·2	*299·8*	− 0·2	84	− 66
1127	Curityba	25 25	49 17	908	912·3	1012·7	+ 0·7	298·2	303·0	7th, 16th	286·5	281·4	10th	292·4	*291·8*	− 1·5	95	− 76
1128	Rio de Janeiro	22 54	43 10	**18·3	1010·4	1012·5	+ 1·5	299·2	304·4	8th Sea Temp.	294·1	291·0	19th, 21st	296·6	296·3	− 2·1	268	+142
1128*a*	25°—30° S. 50°—45° W.	††27 29	††47 50	§ (42-71)	..	1013·2	..	..	..		296·8	−1·1	..	..	297·3	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 49	††42 16	§ (39-41)	..	1012·1	..	..	..		297·5	0·0	..	..	298·8	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	304·2	307·6	7th	292·2	288·0	27th	298·2	*298·2*	+ 1·7	46	− 34
1141*a*	ϕJohannesburg	28 42	24 47	1202	880·4	1007·8	+ 0·9	306·3	313·0	4th, 17th	290·7	284·6	13th	298·5	298·3	+ 1·1	67	+ 5
1142	Bulawayo	20 9	28 35	1340	867·5	1009·5	+ 1·0	303·1	307·8	19th	289·4	284·2	16th	296·3	*295·8*	+ 1·4	117	− 33
1143	Durban	29 52	31 3	15·2	1013·4	1015·2	+ 0·5	300·1	302·8	17th	294·5	290·0	13th	297·3	*296·9*	0·0	197	+ 81
1144	Lourenço Marques	25 58	32 36	59	..	1013·4	+ 1·0	303·1	313·9	11th	293·9	289·9	14th	298·5	298·1	− 0·3	72	− 55
1145	Tulcár	23 23	43 40	4	..	..	..	..	..	..	291·9	288·8	..	..	..	..	105	..
1146	Fort Dauphin	25 2	46 58	25	..	1010·1	..	299·9	302·0	..	288·9	283·0	..	294·4	*293·7*	..	90	..
1147	Mauritius	20 6	57 33	55·2	1005·6	1011·9	0·0	302·4	305·7	15th	294·9	290·0	7th	298·7	298·3	− 0·7	314	+117
1159	Onslow	21 43	114 57	4·3	1006·0	1007·1	+ 1·1	310·1	317·8	2nd	294·4	291·4	31st	302·2	..	− 0·7	0	− 24
1160	Cue	27 27	117 52	454	959·7	1009·4	+ 2·0	309·7	315·7	12th	294·6	289·8	18th, 19th	302·1	..	− 1·1	3	− 23
1161	ϕNullagine	21 53	120 5	386	964·2	1005·8	+ 0·6	313·7	318·0	18th	297·4	290·7	8th	305·6	..	+ 0·8	9	− 63
1162	ϕLaverton	28 40	122 23	466	959·4	1010·8	+ 1·2	308·9	315·9	22nd	293·0	285·4	25th	300·9	*300·6*	− 0·4	0	− 22
1163	Alice Springs	23 38	133 37	587	943·2	1006·7	+ 0·6	308·2	314·7	18th	291·3	284·7	22nd	299·7	*299·7*	− 1·8	10	− 35
1164	William Creek	28 55	136 21	76·2	1001·7	1010·5	+ 0·9	306·3	316·1	18th	291·2	285·8	6th	298·7	*298·3*	− 2·5	19	+ 5
1164*a*	ϕBoulia	22 55	139 38	146	989·8	1006·1	+ 1·2	310·7	316·3	19th	295·7	291·9	22nd	303·2	*303·2*	− 0·6	18	− 36
1165	Thargomindah	27 58	143 43	123	993·4	1007·1	− 0·1	308·3	316·1	2nd	295·0	289·7	26, 28, 29	301·7	*301·3*	− 1·0	1	− 35
1166	Mitchell	26 32	147 52	336	970·0	1006·9	− 1·3	306·6	311·4	3rd	291·4	283·6	29th	299·0	..	− 0·5	76	− 10
1167	Rockhampton	23 24	150 30	11·3	1005·1	1006·5	− 2·7	308·6	314·4	12th	296·1	293·0	27th	302·3	*301·5*	+ 2·4	31	−201
1168	Brisbane	27 28	153 2	41·8	1004·4	1008·9	− 2·6	304·3	311·0	12th	294·4	290·5	27th	299·3	*298·2*	+ 1·2	58	−107
1170	Norfolk Island	29 4	167 59	15·2	1010·6	1012·5	− 0·7	299·9	303·6	24th	288·8	284·7	18th, 31st	294·3	*293·6*	− 0·7	46	− 46
		S.	E.															

Between Latitude 30° S. and 40° S.

JANUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	975·4	1015·7	..	291·9	297·1	2nd	286·3	284·5	9th	289·1	*288·6*	..	33	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	999·5	1013·8	− 0·4	292·5	302·4	17th	284·9	283·0	sev. dates.	288·7	*288·7*	+ 0·5	0	− 4
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1009·4	1014·2	− 0·3	295·0	302·3	16th	287·0	284·0	6th, 19th	291·0	*290·8*	− 0·2	0	0
1222*a*	Santiago	33 27	70 42	520	952·7	1011·7	− 0·3	302·5	306·0	17th, 29th	284·7	283·4	16th	293·6	*292·4*	− 0·2	0	− 1
1223	Cordoba	31 25	64 12	423	963·4	1011·1	+ 2·2	304·3	310·2	22nd	288·4	280·0	17th	296·3	296·0	− 0·2	163	+ 56
1224	Bahia Blanca	38 45	62 15	25	1009·3	1012·3	+ 1·2	301·4	309·0	11th	288·4	282·5	8th	294·9	*294·8*	− 1·4	110	+ 59
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1010·6	1013·5	+ 2·0	301·0	308·5	22nd	288·3	278·9	17th	294·6	295·2	− 0·9	56	− 23
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1011·9	+ 0·5	..	305·0	22nd	..	286·1	9th	..	*294·4*	− 1·0	63	− 5
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1010·0	1012·7	+ 1·4	302·2	308·4	15th Sea Temp.	290·7	285·4	10th, 19th	296·5	296·0	− 1·4	51	− 55
1226*b*	30°—35° S. 55°—50° W.	††32 45	††51 50	§ (42-60)	..	1015·2	..	..	..	293·8	−1·4	..	..	..	..	..	..	..
1239	ϕCape Town	33 56	E 18 29	12·2	..	1013·7	+ 0·3	300·6	310·1	22nd	289·6	283·7	18th	295·1	*293·7*	+ 1·0	7	− 10
1240	Danger Point	34 37	19 18	27·7	1010·6	1013·9	..	295·5	299·7	7th	287·8	284·7	20th	291·6	..	+ 0·1	15	− 16
1241	Riversdale	34 6	21 16	?100	..	..	..	..	..	..	..	..	..	..	..	..	17	− 12
1242	East London	33 2	27 55	44·8	..	1014·6	+ 1·7	297·8	301·9	3rd, 4th	290·6	285·8	20th	294·2	..	+ 0·1	115	+ 54
1259	Perth (Observatory)	31 57	115 51	60·0	1007·6	1014·6	+ 1·9	300·7	314·0	12th	288·8	284·9	19th	294·7	*294·2*	− 1·5	8	− 1
1260	Katanning	33 42	117 35	310	978·5	1014·2	+ 1·0	301·4	312·2	12th	284·2	279·8	19th	292·8	..	− 2·0	1	− 9
1261	ϕCoolgardie	30 57	121 10	423	964·8	1012·0	+ 0·6	306·1	314·2	13th	288·5	283·4	19th	297·3	*297·0*	− 0·9	0	− 12
1262	Eucla	31 45	128 58	4·6	1013·0	1013·6	+ 0·3	297·3	310·2	14th	288·6	282·2	9th	292·9	*292·2*	− 1·6	2	− 13
1263	ϕStreaky Bay	32 48	134 13	13·1	1012·4	1013·8	+ 0·4	300·3	311·1	15th	287·6	282·4	21st	293·9	*293·1*	− 1·0	7	− 4
1264	Adelaide	34 56	138 35	42·7	1008·1	1013·0	0·0	299·6	313·8	15th	287·1	281·9	21st	293·3	*292·7*	− 3·0	18	0
1265	Melbourne	37 49	144 58	35·1	1006·2	1010·4	− 2·5	296·6	313·2	15th	286·1	280·6	12th	291·3	*290·9*	− 1·4	73	+ 25
1266	Bourke	30 13	145 58	110	999·4	1012·1	− 0·2	308·0	315·8	17th	291·7	284·0	28th	299·8	..	− 2·6	0	− 38
1267	Sydney	33 51	151 13	42·1	1004·2	1009·1	− 3·2	299·8	309·7	9th	291·0	285·9	27th	295·4	*295·1*	+ 0·4	122	+ 29
1268	Lord Howe Island	31 20	159 0	4·6	1009·8	1010·5	− 2·4	297·2	301·8	12th	292·7	287·4	17th	294·9	..	− 0·7	224	+ 97
1271	Auckland	36 50	174 50	38·1	..	1011·8	− 1·0	296·3	299·9	31st	289·3	283·6	17th	292·8	..	+ 0·6	98	+ 31
1272	ϕNapier	¶39 29	¶176 55	¶1·5	..	..	..	..	..	..	..	..	..	..	..	..	42	− 38
		S.	E.															

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1008·3	..	..	..	..	..	..	..	..	..	..	100	+ 42
1321	ϕIsla Guafo	43 34	74 45	140	1000·8	1017·6	+ 1·6	288·6	292·9	10th	284·3	282·0	15th	286·5	*286·2*	+ 0·6	50	− 14
1322	Punta Galera	40 1	73 44	40	1011·5	1016·3	0·0	288·8	293·0	1st, 3rd	283·9	281·4	16th	286·3	*286·6*	− 0·5	7	− 57
1323	Sarmiento	45 30	69 0	274	979·6	1009·5	+ 1·1	302·5	310·9	24th	285·3	277·9	15th	293·9	*293·7*	+ 2·6	5	+ 1
1324	Puerto Madryn	42 49	W64 58	14	1009·4	1010·8	+ 2·0	300·5	312·7	19th	286·4	277·5	16th	293·4	*293·1*	+ 0·1	22	+ 7
1365	Launceston	41 27	E147 10	10·1	1004·7	1005·9	− 5·7	294·8	301·9	15th	283·1	275·5

JANUARY—ZONE 14.

RÉSEAU MONDIAL
Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. ‡Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1004·7	1011·4	+ 9·1	283·5	285·6	2nd, 25th	280·3	278·0	15th	281·9	*282·0*	+ 0·3	160	−145
1422	Puerto de Punta Arenas	53 10	70 54	28	1003·6	1007·0	+ 6·5	290·0	298·0	25th	282·8	278·5	15th	286·4	*286·3*	+ 2·1	22	− 12
1423	ϕPunta Dungeness	52 24	68 26	5	1005·8	1006·4	+ 6·3	290·2	298·0	25th	282·1	279·6	16th	286·1	*285·4*	+ 0·6	9	− 18
1424	Santa Cruz	50 11	68 21	12	1007·2	1008·2	+ 3·8	295·2	306·5	20th	283·4	277·5	15th	289·3	*289·0*	+ 1·1	17	+ 2
1424a	Año Nuevo	54 39	64 8	50	996·8	1002·9	+ 6·7	287·4	299·0	25th	279·8	277·5	7th, 8th	283·6	*282·0*	+ 0·8	103	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1003·4	..	286·7	294·1	19th	279·6	275·8	31st	283·2	..	..	49	− 21
1426	Cape Pembroke	51 41	57 42	21·3	1001·7	1004·2	+ 4·5	284·8	291·9	26th	279·2	275·2	29th	282·0	282·4	− 0·3	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	991·3	991·8	− 2·2	281·0	286·7	5th	273·3	271·2	3rd	277·1	*277·2*	− 0·8	55	− 30

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	991·7	992·6	+ 1·9	273·9	278·5	21st	271·1	266·5	31st	272·5	272·5	− 0·6	19	− 19
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* page 114. † Estimates not based on at least six equally spaced observations each day are in *italics*. ϕ Change of normals *see* page 114

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	8½h.
1	SE	3·4	ESE 4	NE 2 W 2	NE 1 S 1	E 4 EbyN 3	..	Calm 0 Calm 0	ENE 2
2	SE	3·4	ESE 3	NE 2 SW 1	SW 1 Calm 0	EbyN 2 EbyN 1	W 2	E 1 Calm 0	NE 2
3	SE	3·5	E 2	SSW 2 SW 1	N 1 W 1	EbyN 2 E 1	SE 1	NE 1 Calm 0	Var. 1
4	SE	4·5	ESE 2	ENE 1 WSW 2	N 1 Calm 0	E 2 E 3	Calm 0	W 1 W 2	Calm 0
5	SE	5·3	E 2	ESE 4 Calm 0	N 1 S 1	EbyN 1 E 2	Calm 0	W 1 Calm 0	SE 3
6	SE	3·3	E 3	ENE 4 SW 2	Calm 0 Calm 0	E 3 E 3	Calm 0	NW 1 E 2	SE 4
7	SE	3·8	E 3	ENE 5 ENE 4	Calm 0 Calm 0	EbyN 2 EbyN 1	Calm 0	E 1 ENE 2	SE 4
8	SE	3·4	E 2	ENE 3 W 1	N 1 SW 1	EbyN 2 EbyN 1	W 2	Calm 0 E 1	Calm 0
9	SSE	7·4	NE 3	Calm 0 SW 2	Calm 0 W 1	NE 1 EbyN 1	W 2	E 1 Calm 0	SE 1
10	SE	10·2	SE 1	ENE 1 W 1	N 1 N 1	EbyN 1 NE 1	W 2	E 1 Calm 0	SE 1
11	SE	6·4	NE 4	W 1 WSW 1	SW 1 SW 1	NE 1 NE 1	Calm 0	Calm 0 S 2	
12	SE	7·2	ESE 3	SW 1 WSW 3	N 1 N 1	NE 1 Calm 0	Calm 0	W 1 Calm 0	SE 2
13	SE	6·1	E 2	NNE 2 Calm 0	Calm 0 S 1	EbyN 1 ENE 1	Calm 0	NE 2 NNE 2	SE 2
14	SE	5·2	NE 2	E 1 SW 2	N 1 SW 1	EbyN 2 EbyN 2	W 1	W 1 NE 2	S 2
15	SE	3·0	ESE 1	Calm 0 WSW 3	Calm 0 Calm 0	EbyN 2 EbyN 2	NW 4	NE 2 E 1	SW 2
16	Calm	3·4	SE 4	N 1 SW 2	Calm 0 Calm 0	NE 2 NE 1	NW 2	Calm 0 NW 1	NE 3
17	SE	6·0	SE 3	SW 1 SW 2	W 1 SW 1	NE 1 NE 1	NW 2	NW 2 Calm 0	Calm 0
18	SE	8·3	SE 2	Calm 0 SW 1	N 1 SW 1	NE 1 NE 1	NW 4	W 1 W 2	SW 4
19	SE	8·5	SSE 3	Calm 0 SW 3	W 1 SW 1	EbyN 1 EbyN 1	NW 4	Calm 0 S 2	SE 4
20	SE	7·2	ESE 3	WSW 2 SW 3	SW 1 SW 1	EbyN 1 EbyN 1	NW 4	NW 2 Calm 0	SE 4
21	SE	4·2	SE 2	Calm 0 SW 3	W 1 Calm 0	ENE 1 NE 2	NW 2	NW 2 NE 1	N 2
22	SE	3·5	E 2	WSW 2 WSW 2	Calm 0 Calm 0	NE 1 NbyE 1	NW 2	E 2 E 1	SW 3
23	SE	5·3	E 3	SW 2 SW 2	NW 1 Calm 0	NE 1 EbyN 1	Calm 0	E 2 NE 2	S 2
24	SSE	8·5	NE 2	SSW 3 SW 5	N 1 NW 2	EbyN 1 EbyN 1	Calm 0	E 1 NE 1	SW 1
25	SE	8·4	E 4	W 3 SW 3	Calm 0 Calm 0	EbyN 2 EbyN 2	Calm 0	E 1 Calm 0	SW 5
26	SE	9·0	ENE 4	SW 2 SW 2	SE 1 S 1	E 2 E 1	Calm 0	Calm 0 Calm 0	SW 3
27	SE	8·7	ENE 4	Calm 0 SW 2	Calm 0 SW 1	E 3 E 1	Calm 0	E 1 Calm 0	SSW 3
28	SE	6·4	ENE 3	SW 1 Calm 0	Calm 0 SW 1	E 1 E 1	Calm 0	Calm 0 Calm 0	SSW 4
29	SE	7·2	SSE 1	SW 4 NW 1	NE 1 Calm 0	E 1 E 1	Calm 0	S 1 Calm 0	S 2
30	SE	10·1	SSE 2	N 2 SW 4	SW 1 SW 2	E 1 E 1	Calm 0	NE 1 W 2	S 1
31	ESE	8·6	E 2	NW 1 W 3	W 1 Calm 0	EbyN 1 NE 1	..	E 1 E 2	Calm 0
Mean	..	6·1	2·6	1·7 2·0	0·7 0·7	1·5 1·3	1·2	1·0 0·8	2·1
§ Resultant	135°(95)	..	100°(81)	240°(40)	265°(24)	80°(91)	295°(38)	55°(21)	165°(45)
§ Normal	142°(92)	7·3	‖105°(75)	22° (9)	265°(35)	‖| 71°(78)	322°(14)	‖88°(27)	89°(51)

‖Normal refers to ½(9+21). ‖| Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introductio

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1924.

‡‡*Barents Sea.*—At Bear Island the sea at first was free of ice, but on the 21st young ice became visible towards the northeast, and on the 23rd and 24th there was scattered drift ice round the island while the edge was visible far towards the northeast.

‡‡*Spitsbergen.*—In the fjords on the west coast there was ice which, now and again broke up and drifted in and out of the fjords with the tide. In Advent Bay the ice was 20 cm. thick. At Smeerenburg ice was formed on the 12th but it broke up again by the 31st.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 3 days visible and 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock there was young ice throughout the month, while the edge, consisting of old polar ice, was lying 8 miles offshore. At Angmagsalik the ice was lying packed at first but after the 20th it began to disappear and on the 31st no ice was visible.

‡‡*N. Atlantic and Labrador.*—Three icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 3. In Belle Isle Strait there was pack ice, and the Gulf of St. Lawrence was filled with ice.

‡‡*Davis Strait.*—During the first days the first "Storis" of the season passed Cape Farewell but after the 26th the sea here was ice free. In Julianehaab Bay there was "Storis" everywhere. The first mass of ice reached Arsuk on the 18th and Frederikshaab on the 22nd. At Holstensborg there was no west ice and little winter ice. In Disko Bay and at Umanak the ice formed about the 15th. At Upernivik there was only ice in the inmost bays. Frozen Strait was filled with drift ice but in Fox Channel open water reached to Vansittart Island.

‡‡*Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1924 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **FEBRUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
105	Barrow	71 23	156 17	7·0	..	1019·3	..	245·2	263·0	13, 14, 17	235·4	224·1	3rd	240·3	..	− 7·6	2	− 4
125	Upernivik	72 47	56 7	19·2	1012·2	1014·8	+ 6·0	251·1	267·3	29th	243·4	238·2	11th, 12th	247·3	*246·6*	− 3·5	9	− 4
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	1012·3	1013·1	..	254·4	266·5	25th	245·4	239·1	29th	249·9	*249·4*	..	13	..
135	Jan Mayen	70 59	W 8 18	23·1	1002·3	1005·2	..	..	274·8	11th	264·2	255·8	27th	..	*268·1*	..	34	..
139	Spitzbergen(GreenHarbour)	78 2	E 14 14	11·4	1002·4	1003·9	− 2·5	..	276·8	10th	259·8	243·0	19th	..	262·1	+ 8·2	50	+ 16
140	Björnöen	74 28	19 17	40·5	999·5	1004·7	..	..	275·6	10th	264·1	250·8	29th	..	*266·9*	..	12	..
141	Gjesvaer	71 6	25 22	6·5	1004·6	1005·4	+ 2·6	..	274·9	1st	264·9	260·3	11th	..	*267·3*	− 1·4	69	+ 9
142	Mehavn	71 1	27 47	10·2	1005·3	1006·6	+ 4·0	..	273·5	1st	261·9	257·0	23rd	..	*264·7*	− 2·8	53	− 7
143	ϕVardö	70 22	31 8	6·8	1007·4	1008·3	+ 3·4	..	272·0	1st	263·6	259·4	14th	..	*266·0*	− 1·1	30	− 35
147	Malye Karmakouly	72 23	52 43	15·3	1014·6	1016·6	+ 8·3	265·2	272·5	12th	258·7	244·5	3rd	262·0	*262·2*	+ 5·3	69	+ 63
148	Waigatz	70 24	58 47	11·2	1019·2	1020·7	..	263·6	275·1	17th	254·7	238·7	4th	259·2	*258·8*	..	6	..
153	Dickson	73 30 N.	80 23 E.	13	1019·1	1020·9	..	..	270·2	11th	246·6	233·0	3rd	..	‡*251·5*	..	6	..

Between Latitude 70° N. and 60° N. **FEBRUARY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1010·5	− 1·7	260·4	275·2	21st	251·1	235·2	3rd	255·8	*255·6*	− 2·5	9	− 15
204	Candle	65 55	161 57	2·4	..	..	..	255·3	271·9	19th	244·8	228·6	3rd	250·1	..	− 2·2	..	..
205	Tanana	65 10	152 6	67·1	..	1015·2	− 2·7	252·3	266·3	27, 28, 29	243·0	225·2	4th	247·7	*247·3*	− 4·8	6	− 13
206	Rampart	65 30	150 15	114	..	..	..	252·1	265·8	28th	243·3	224·1	3rd, 4th	247·7	..	− 3·4	8	− 10
207	Valdez	61 7	146 16	7·6	..	..	..	269·9	274·7	29th	263·1	251·3	14th	266·5	..	− 0·6	139	+ 22
208	Eagle	64 46	141 12	254	..	1014·9	− 2·6	255·8	279·1	26th	246·2	226·9	13th	251·0	*250·8*	− 1·8	7	− 2
209	Dawson	64 4	139 29	324	973·6	1017·5	− 3·2	253·6	277·4	26th	246·9	228·6	17th	250·2	..	+ 1·3	13	− 5
210	Carcross	60 11	134 34	662	..	..	..	265·8	280·2	14th	258·4	241·3	7th	262·1	..	+ 4·8	30	+ 8
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	1000·7	1019·3	− 1·5	257·5	279·7	27th	246·0	228·0	16th	251·7	..	+ 5·6	10	− 7
213	ϕHay River	60 51	115 20	161	998·3	1020·1	− 1·0	259·1	279·7	27th	248·0	228·0	15th	253·5	..	+ 4·6	38	+ 23
225	Jacobshavn	69 13	51 2	31·6	1007·1	1011·3	+ 4·9	259·9	272·0	23rd	252·4	236·0	9th	256·1	*257·0*	+ 3·2	14	+ 7
226	Godthaab	64 11	51 43	20·4	1001·9	1004·5	+ 3·4	269·3	278·2	28th	263·7	252·9	9th	266·5	*266·4*	+ 3·5	20	− 26
227	Ivigtut	61 12	48 10	5·0	1004·4	1005·0	+ 4·3	273·5	282·5	16th, 27th	265·6	254·5	8th	269·5	*269·2*	+ 3·6	151	+ 82
229	Angmagsalik	65 37	37 33	29·3	1003·2	1007·0	+ 3·5	270·0	277·1	27th	261·2	256·7	19th	265·6	*266·0*	+ 3·7	103	+ 53
231	Stykkisholm	65 5	22 46	25	..	1008·6	+ 7·8	276·0	280·4	22nd	271·0	257·8	29th	273·5	*273·1*	+ 2·8	53	− 12
232	Vestmanno	63 24	20 17	132	..	1009·5	+ 9·6	279·1	281·3	7th, 26th	273·0	258·2	29th	276·1	*275·1*	+ 1·5	116	− 7
233	Grimsey	66 33	18 1	22·0	..	..	..	274·4	278·5	9th	269·9	258·8	29th	272·1	*271·5*	+ 1·4	17	0
233a	Akureyri	65 40	18 5	4	..	1007·0	+ 4·4	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1008·2	+ 6·0	277·0	282·2	16th	270·1	261·0	29th	273·5	*273·4*	+ 1·6	114	+ 14
235	Thorshavn	62 3	6 45	26·3	1007·2	1010·5	+ 5·1	278·2	281·1	2nd	273·3	265·1	28th	275·7	*276·1*	− 0·2	115	− 19
236	Lerwick	60 9	W 1 11	18·0	..	1012·3	+ 5·0	278·3	281·9	20th	275·3	269·1	28th	276·8	*276·8*	+ 0·3	101	+ 21
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1005·2	1010·8	+ 0·7	275·4	279·3	21st	270·9	264·7	14th	273·1	*273·1*	− 1·8	200	+ 67
238	Aalesund	62 28	6 10	6·3	1009·1	1009·9	+ 0·7	..	278·8	17th	269·6	263·6	19th	..	*272·7*	− 2·4	108	+ 16
239	ϕTrondhjem	63 26	10 25	37·0	1004·2	1008·9	+ 0·7	272·6	278·5	17th	266·2	256·7	25th	269·4	*269·7*	− 1·0	102	+ 35
240	Bodö	67 17	14 24	22·3	1002·1	1004·9	− 0·7	..	275·2	1st	266·4	261·4	11th	..	*269·5*	− 1·1	102	+ 33
241	Haparanda	65 50	24 9	9·2	1008·4	1009·6	+ 0·6	262·5	271·5	1st	254·2	245·5	9th	258·3	*259·3*	− 2·0	22	− 6
242	Helsingfors	60 10	24 57	11·7	1007·7	1009·2	− 3·4	267·1	274·0	1st	261·4	252·6	27th	264·3	*264·6*	− 1·7	50	+ 13
242a	Kuopio	62 54	27 40	90·3	‡ 979·1	‡1009·2	− 4·3	265·2	272·5	18th	259·1	250·2	5th	262·1	*262·7*	− 0·6	55	+ 20
243	Kola	68 53	33 1	6·7	1010·3	1011·2	+ 3·5	262·6	271·8	18th	252·7	242·9	5th	257·6	*258·2*	− 3·2	20	+ 4
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1015·4	1016·2	+ 5·3	264·9	271·3	9th	259·2	249·1	13th	262·0	*262·0*	+ 1·7	24	+ 6
246	Mezen	65 50	44 16	14·9	1015·8	1017·7	+ 6·8	264·0	271·5	9th	257·3	246·3	13th	260·6	*260·9*	+ 1·7	15	+ 6
247	Oust-Tsylma	65 25	52 18	?68	1013·6	1022·7	+10·6	262·7	268·7	9th	255·9	245·2	13th	259·3	*259·3*	+ 1·9	6	− 10
248	Teherdyn	60 24	56 31	?177	1004·8	1028·7	+10·8	261·5	267·2	6th	252·6	240·1	14th	257·0	*257·3*	− 1·8	6	− 20
249	Berezov	63 56	65 4	39·5	1027·4	1032·9	+16·7	256·9	266·6	13th	..	..	..	..	*252·9*	− 1·2	3	− 9
250	ϕObdorsk	66 31	66 36	35·2	1027·9	1032·8	+17·8	..	265·0	12th	247·4	233·9	4th	..	*251·0*	+ 0·5	3	− 5
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1029·5	1035·0	+15·7	..	268·0	13th	246·8	235·3	11th	..	*252·4*	− 0·8	2	− 10
253	Doudinka	69 23	86 4	20·0	1027·8	1030·6	+16·1	..	268·0	12th	246·3	224·1	5th	..	*249·6*	+ 2·2	6	0
254	Touroukhansk	65 47	87 57	45·0	1030·3	1036·7	+16·3	..	261·5	18th	243·3	225·3	4th, 5th	..	*248·0*	− 1·2	8	− 2
261	Viliouisk	63 45	121 35	120	..	..	..	..	259·3	29th	234·1	214·1	6th	..	*240·1*	− 1·9	5	− 3
262	ϕIakoutsk	62 1	129 43	108	1007·0	1022·7	− 4·0	..	252·4	24th	231·0	212·4	10th	..	*236·5*	− 1·1	6	+ 1
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 105. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	274·4	276·9	21st	269·8	265·2	28th	272·1	..	..	19	..
302	St. Paul Island	57 15	170 10	21·3	..	1006·8	+ 2·4	268·7	273·6	20th	262·9	253·6	11th	265·8	..	— 1·6	33	— 13
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1001·7	— 1·2	272·5	276·3	sev. dates.	267·4	263·0	9th	269·9	*269·7*	— 2·9	24	—133
304	Port Moller	55 56	160 30	5·5	..	..	..	268·4	278·0	18th	262·2	253·6	7th	265·3	..	..	58	..
305	Dillingham	59 0	158 28	24·4	..	..	..	265·9	275·8	27th	259·6	249·1	6th, 10th	262·8	..	— 0·5	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	994·9	—10·8	274·2	278·0	23rd	269·8	260·8	14th	272·0	*272·1*	— 0·2	37	— 80
										Sea Temp.								
307	55°—50° N. 150°—145° W.	††51 32	††148 3	§(29)	..	995·2	—10·5	..	..	274·7|—0·6	..	..	..	..	276·9	— 1·7	..	..
309	Sitka	57 3	135 19	27·4	..	1005·1	— 5·7	278·8	284·1	19th	273·0	265·2	17th	275·9	*275·9*	+ 1·7	201	+ 36
310	Prince Rupert	54 18	130 18	51·8	1004·2	1010·6	— 0·5	280·2	284·7	22nd	274·1	269·7	15th, 17th	277·2	*277·3*	+ 2·1	368	+153
311	Barkerville	53 2	121 35	1274	866·2	1015·9	— 1·3	274·1	279·1	25th	265·8	257·4	15th	269·9	*269·8*	+ 4·3	96	+ 30
312	ϕKamloops	50 41	120 29	385	975·0	1022·4	0·0	280·4	288·8	27th	272·8	268·0	23rd	276·6	*276·6*	+ 6·4	7	— 12
313	Calgary	51 2	114 2	1045	894·7	1019·8	+ 0·3	277·4	288·0	27th	263·6	245·2	20th	270·5	*269·9*	+ 6·7	28	+ 14
314	Fort Chipewyan	58 42	111 10	218	989·8	1018·7	— 2·0	263·0	288·0	24th	251·3	233·6	15th	257·2	*257·7*	+ 6·1	51	+ 36
315	Prince Albert	53 10	105 38	442	967·1	1024·2	+ 2·8	269·1	281·3	1st	256·9	240·8	20th	263·0	*262·4*	+ 7·4	8	— 5
316	Qu'Appelle	50 30	103 47	645	941·6	1022·7	+ 0·9	270·8	282·4	27th	260·8	248·6	20th	265·8	*265·0*	+ 9·4	19	— 3
317	Minnedosa	50 15	99 50	515	958·9	1025·4	+ 3·0	266·9	278·2	26th	255·4	240·2	4th	261·2	*260·8*	+ 5·9	11	— 4
318	Berens River	52 18	97 23	216	..	..	..	269·7	278·6	27th	249·6	235·8	4th	259·6	..	+ 6·8	25	+ 11
318a	Port Nelson	57 0	92 51	14·9	1024·2	1026·1	+ 8·1	263·0	274·7	24th	256·9	243·6	16th	259·9	..	+11·8	..	..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1021·8	1023·0	+ 6·0	260·8	279·7	26th	248·6	236·3	2nd	254·7	..	+ 0·8	10	— 17
321	Fort George	53 50	79 5	97·5	..	..	..	256·4	269·7	25th, 26th	244·4	231·9	3rd	250·4	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	260·9	272·2	28th	243·3	232·4	3rd, 4th	252·1	..	— 2·4	18	— 28
324	Natashquan	50 8	61 48	6·1	..	..	..	265·2	274·1	12th	251·7	239·1	3rd	258·4	..	— 0·3	29	— 33
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††51 46	††27 43	§(14–17)	..	1016·3	..	..	..	281·9|—0·4	..	..	..	..	281·4	..	..	..
333	53°—48° N. 20°—15° W.	††49 59	††17 42	§(20–25)	..	1020·4	..	..	..	283·9|—0·1	..	..	..	..	282·0	..	..	..
333a	62°—57° N. 20°—15° W.	††58 35	††16 43	§(11)	..	..	..	..	..	281·6|+0·3	..	..	..	..	281·0	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1020·3	+ 7·6	281·3	282·4	2nd	277·0	271·9	24th	279·2	279·4	— 0·4	93	— 3
335	Aberdeen	57 10	W 2 6	26·8	..	1015·1	+ 4·8	279·3	284·1	2nd	275·6	270·2	28th	277·4	277·2	+ 0·6	39	— 14
336	Greenwich	51 28	0 0	46·3	..	1017·7	+ 1·8	278·5	283·6	6th	273·4	266·9	15th	275·9	275·9	— 1·3	17	— 23
337	Uccle	50 48	E 4 22	100	1003·2	1015·8	— 0·8	277·2	281·1	3rd	271·0	264·1	18th	274·1	273·7	— 2·0	41	— 16
338	De Bilt	52 6	5 11	3·0	1014·9	1015·3	— 0·9	276·9	282·6	4th	270·1	263·7	18th	273·5	273·4	— 2·1	27	— 31
338a	Hamburg	53 33	9 58	40·3	1008·8	1013·9	— 1·1	273·8	279·7	3rd	269·6	264·7	29th	271·7	*271·4*	— 2·7	39	— 5
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1011·9	1012·5	— 1·2	272·7	278·1	2nd	267·8	261·5	14th, 15th	270·3	*270·1*	— 2·3	17	— 8
340	Potsdam	52 23	13 4	84·9	1003·1	1013·9	— 2·2	273·0	278·4	4th	266·9	260·4	15th	269·9	269·8	— 3·5	26	— 5
340a	Uppsala	59 51	17 38	24	1006·7	1009·8	— 2·6	268·6	276·4	1st	261·3	250·7	29th	264·9	265·4	— 2·8	33	+ 3
341	Warsaw	52 13	21 3	89·9	1000·7	1012·3	— 5·7	270·0	275·8	6th	264·6	250·4	20th	267·3	*267·4*	..	27	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1000·3	1009·9	— 4·2	267·3	273·9	1st	262·6	255·6	25th	264·5	264·9	— 1·5	50	+ 22
343	Leningrad	59 56	30 16	4·8	1009·9	1010·5	— 3·6	267·4	273·6	2nd	262·4	253·5	11th	264·9	*264·8*	— 0·2	44	+ 4
344	Kiiv	50 27	30 30	183	991·3	1014·9	— 4·1	268·7	275·2	6th	262·7	253·2	20th	265·7	*265·6*	— 2·7	67	+ 4
344a	Moscow	55 50	37 33	167	996·7	1018·7	+ 0·1	264·9	273·1	2nd	257·6	244·7	16th	261·2	*261·3*	— 2·6	13	— 1
345	Saratov	51 33	45 57	122	1007·8	1024·2	+ 2·2	261·4	273·3	7th	254·6	247·9	21st	258·0	*258·1*	— 3·9	18	— 1
346	Kazan	55 47	49 8	79·9	1016·0	1026·8	+ 5·7	263·2	272·4	7th	254·8	244·4	20th	259·0	*258·4*	— 3·1	7	— 11
347	Orenburg	51 45	55 6	109	1012·7	1027·4	+ 2·2	261·6	267·8	5th	253·2	245·3	26th	257·4	*257·3*	— 1·7	3	— 15
348	Perm	58 1	56 16	163	1007·9	1029·8	+ 9·2	262·6	267·5	8th	254·1	244·8	20th	258·4	*258·0*	— 1·7	12	— 17
349	Sverdlovsk	56 50	60 38	281	992·4	1030·0	+ 8·7	262·0	269·2	20th	253·5	242·5	11th	257·8	*257·5*	— 2·4	5	— 5
350	ϕTobolsk	58 12	68 14	108	1018·2	1032·8	+11·2	261·9	265·5	13th, 26th	253·9	247·0	12th	257·9	*257·8*	+ 0·9	5	— 5
351	Akmolinsk	51 12	71 23	347	..	..	..	260·2	272·9	7th	251·7	242·8	11th	256·0	*256·2*	— 0·2	11	— 6
352	Omsk	55 1	73 19	108	1017·2	1032·0	+ 7·3	..	..	..	252·0	244·2	21st	..	*254·3*	— 1·0	4	— 6
353	Barnaoul	53 20	83 48	162	1010·4	1032·7	+ 2·8	258·6	266·5	29th	246·6	239·2	19th	252·6	*253·0*	— 3·6	1	— 14
354	Tomsk	56 30	84 58	122	1018·0	1034·8	+ 7·9	..	264·0	27th	249·8	240·7	18th	..	*254·5*	— 1·9	3	— 11
355	Minousinsk	53 43	91 41	248	1002·3	1037·1	+ 6·5	..	265·3	4th, 5th	242·0	235·8	12th	..	*248·3*	— 6·7	2	— 12
356	Eniseisk	58 27	92 10	77·6	1026·2	1037·1	+11·1	..	263·2	29th	240·0	225·6	7th	..	*248·0*	— 6·8	2	— 12
357	Irkutsk	52 16	104 19	467	973·2	1036·7	+ 5·0	258·0	268·3	1st	246·4	237·2	10th	252·2	*252·2*	— 2·5	7	— 8
358	ϕKirensk	57 47	108 7	278	995·6	1033·5	+ 3·9	..	265·8	2nd	248·3	224·6	9th	..	*252·6*	+ 1·9	13	— 2
359	ϕTchita	52 2	113 30	674	..	..	..	..	..	..	245·6	230·8	10th	..	*251·9*	+ 0·8	0	— 9
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor)	50 16	127 30	142	999·1	1018·4	— 4·5	257·3	263·9	16th	246·3	233·9	11th	251·8	*251·8*	— 3·1	3	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡998·0	‡999·7	— 5·2	268·7	274·5	7th	262·7	249·3	15th	265·7	*265·4*	+ 3·4	109	+ 5
		N. °	E. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks" pages 106 and 1
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals *see* pages 106 and 1

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·8	1019·5	+ 2·9	282·7	284·7	17th	277·9	274·6	9th	280·3	279·9	+ 2·6	134	+ 51
412	Portland, Oregon	45 32	122 41	46·6	1016·8	1022·3	+ 3·9	285·1	290·8	11th	278·7	273·0	16th	281·9	*281·6*	+ 3·6	132	— 8
413	Macleod	49 44	113 24	953	..	..	..	277·3	286·3	13th	267·9	246·9	21st	272·6	*272·6*	+ 6·9	15	— 3
414	Helena	46 34	112 4	1253	876·7	1022·3	+ 4·1	279·1	289·1	12th	269·3	251·3	20th	274·2	*274·1*	+ 6·4	11	— 5
414a	Salt Lake City	40 46	111 54	1329	872·5	1023·3	+ 4·3	281·2	289·1	15th	272·9	268·0	1st	277·0	*276·7*	+ 3·4	20	— 17
415	Cheyenne	41 8	104 48	1856	813·7	1021·7	+ 4·4	278·7	290·8	14th	266·8	254·7	20th	272·8	*272·3*	+ 2·9	29	+ 15
416	North Platte	41 8	100 45	860	920·7	1023·3	+ 3·4	279·7	293·0	2nd	266·7	254·7	5th	273·2	*272·5*	+ 3·6	9	— 4
416a	Bismarck	46 47	100 38	510	961·1	1024·4	+ 3·9	274·6	290·2	12th	263·1	248·6	21st	268·8	*268·5*	+ 8·5	7	— 5
417	Winnipeg	49 53	97 7	232	994·8	1025·3	+ 3·6	267·4	280·8	27th	256·3	243·0	4th	261·9	*261·5*	+ 6·6	10	— 9
418	Duluth	46 47	92 6	345	979·5	1023·0	+ 4·4	269·3	279·1	26th	260·8	250·2	5th	265·1	*264·6*	+ 4·0	15	— 11
419	Port Arthur	48 27	89 12	196	998·5	1024·2	+ 5·0	267·4	278·6	25th	258·0	246·9	4th	262·7	*262·6*	+ 3·5	7	— 11
420	Chicago	41 53	87 37	251	989·5	1020·6	+ 1·6	273·7	279·7	27th	268·8	260·8	22nd	271·2	*271·4*	+ 1·0	43	— 10
421	Toronto	43 40	79 24	116	1005·1	1020·1	+ 2·1	270·2	276·1	27th	262·4	254·2	24th	266·3	266·6	— 0·6	83	+ 23
422	ϕNew York (Central Park)	40 47	73 58	47·4	1012·0	1018·1	+ 0·3	274·6	280·8	3rd	267·9	260·8	13th	271·2	271·2	— 1·0	110	+ 19
423	St. John, N.B.	45 17	66 4	36·2	1009·4	1014·1	+ 0·2	268·6	275·9	27th	259·9	253·6	24th	264·3	264·1	— 2·0	52	— 47
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·3	1012·5	+ 1·7	264·8	271·6	21st, 29th	258·3	249·7	3rd	261·6	*261·8*	— 0·7	25	— 21
424a	Sable Island (Main Station)	43 57	60 6	7·6	1010·8	1011·8	— 0·5	271·9	279·1	28th	266·7	261·9	19th	269·3	*269·4*	— 1·7	95	— 22
425	Port aux Basques	47 35	59 10	9·1	1008·4	1009·6	— 1·2	268·0	274·4	12th	261·8	257·2	19th	264·9	*264·8*	+ 0·1	100	+ 11
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
430	50°—45° N. 35°—30° W.	††47 34	††32 28	§(21–28)	..	1026·4	..	..	..	285·2|+0·3	..	..	..	..	284·4	..	..	..
435	Madrid	40 24	3 41	667	936·2	1016·1	— 4·5	280·0	284·5	14th	272·4	269·2	8th	276·2	*275·9*	— 2·8	103	+ 66
436	Nantes	47 15	W 1 34	36·5	1012·0	1016·8	— 1·3	280·2	285·9	9th, 10th	274·1	269·5	15th	277·1	276·8	— 1·6	39	— 19
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·3	1017·0	— 0·9	278·3	283·0	10th	272·1	266·5	16th	275·2	275·1	— 2·0	32	— 1
438	Marseille	43 18	5 23	75	..	1009·2	— 7·4	283·6	287·6	8th	273·3	269·0	2nd	278·5	277·7	— 3·2	40	+ 3
438a	Zurich	47 23	8 33	493	955·6	1016·5	— 3·7	274·4	281·8	8th	268·8	262·4	24th	271·6	271·2	— 2·6	25	— 30
439	Rome	41 54	12 27	45·5	1002·8	1008·2	— 8·1	284·7	287·2	12th	277·0	272·1	8th	280·8	*280·5*	— 0·8	167	+ 99
440	Vienna	48 15	16 22	203	988·3	1013·8	— 5·1	273·0	279·2	5th	268·4	262·8	22nd	270·7	270·8	— 2·7	33	0
440a	Budapest	47 31	19 1	130	996·1	1012·5	— 6·6	275·1	280·6	5th	270·4	264·5	25th	272·7	272·5	— 0·5	65	+ 35
441	Sofia	42 42	23 20	550	946·0	1013·2	— 7·4	275·3	280·8	6th	269·1	256·4	2nd	272·2	272·0	— 1·2	51	+ 20
442	Bucharest	44 25	26 6	82	1002·7	1013·1	— 6·7	274·5	281·0	28th	268·7	258·0	10th	271·6	271·6	— 0·6	35	+ 7
443	Odessa (Observatory)	46 26	30 46	42·8	1007·3	1012·8	— 6·9	271·8	277·7	12th	266·6	260·1	8th	269·2	*269·4*	— 1·9	32	+ 11
444	ϕKharkiv (University)	50 0	36 14	140	1000·5	1018·8	— 1·9	266·1	274·7	7th	258·4	249·2	21st	262·3	*262·3*	— 4·8	24	— 2
444a	Novorossiisk	44 44	37 49	37·1	1008·2	1012·8	— 5·4	278·9	286·3	24th	270·7	263·0	1st	274·8	*274·9*	— 1·1	94	+ 29
445	Tiflis	41 43	44 48	404	967·4	1016·7	— 4·9	279·6	285·3	14th	272·4	267·2	7th	276·0	275·9	+ 0·4	33	+ 14
446	Astrakhan	46 21	48 2	—20	1023·6	1021·0	— 1·9	268·9	277·0	7th	260·3	254·5	18th, 21st	264·6	*264·9*	— 3·0	5	— 4
447	Fort Alexandrovsk	44 31	50 7	—23·0	1021·5	1018·6	— 3·5	271·9	280·6	7th	266·3	261·4	28th	269·1	*268·8*	— 1·6	4	— 3
448	ϕKrasnovodsk	40 0	52 59	— 4·6	1017·2	1016·6	— 4·3	279·3	283·9	9th	274·4	270·2	20th	276·8	*276·6*	— 0·5	19	+ 6
449	Kasalinsk	45 46	62 7	66·7	1013·2	1022·0	— 2·7	..	..	..	259·4	248·4	17th	..	*263·2*	+ 0·9	12	+ 4
450	Tashkent	41 20	69 18	478	960·0	1018·1	— 6·4	281·7	289·6	6th	273·2	268·7	22nd	277·4	*276·8*	+ 2·5	67	+ 33
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	10	0
452	Alma Ata	43 16	76 53	841	919·0	1021·3	— 6·1	274·0	283·2	27th	265·4	256·5	19th	269·7	*269·3*	+ 3·2	39	+ 11
461	ϕMoukden	41 48	123 23	43·8	1017·2	1023·0	— 2·7	269·2	276·0	5th	258·4	253·6	23rd	263·8	263·7	0·0	3	— 4
462	ϕJoshin	40 40	129 11	31·9	1013·9	1018·0	— 2·5	272·3	280·5	4th	262·7	255·2	23rd	267·5	267·7	— 1·1	38	+ 23
463	ϕYuki	42 20	130 24	65·6	1010·1	1018·7	— 1·6	268·7	276·0	4th	260·2	254·7	13th	264·5	264·5	— 2·2	28	+ 18
464	Vladivostok	43 7	131 54	128	1001·5	1018·5	— 3·3	264·0	272·1	4th, 18th	256·0	246·1	12th	260·0	*259·6*	— 3·4	33	+ 24
465	ϕOchiai	47 20	142 47	27·4	1005·3	1008·9	— 5·1	264·3	270·3	4th	252·0	242·5	17th	258·1	258·7	— 1·0	17	— 14
466	Nemuro	43 20	145 35	26·7	1004·2	1007·6	— 5·1	270·5	275·3	8th	261·9	255·0	14th	266·2	266·6	— 0·9	30	+ 5
466a	Syana	45 14	147 53	39·3	1000·8	1005·9	— 5·5	268·2	274·9	8th	259·9	253·5	15th	264·1	264·6	— 1·4	57	+ 1
		N.	E.															

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
508	35°—30° N. 145°—140° W.	††32 7	††142 13	§(24)	..	1022·3	— 0·3	..	..	Sea Temp. 290·2|+0·6	..	..	..	..	289·7	+ 1·1	..	..
511	San Francisco	37 48	122 26	47·2	1016·4	1022·3	+ 3·0	290·8	295·8	28th	283·1	280·8	3rd	286·9	*286·2*	+ 3·1	84	— 8
512	San Luis Obispo	35 18	120 39	61·3	1013·8	1021·3	+ 2·0	294·6	303·6	13th	281·8	276·3	25th	288·2	*287·6*	+ 3·5	11	— 88
513	San Diego	32 43	117 10	26·5	1015·8	1018·9	+ 1·2	293·0	300·8	13th	282·9	279·1	1st	288·0	*287·5*	+ 2·3	0	— 47
514	Modena	37 48	113 54	1670	837·0	1021·0	+ 3·9	284·6	290·2	20th	267·3	263·0	12th	275·9	*275·9*	+ 3·1	2	— 24
515	Santa Fé	35 41	105 57	2138	787·4	1018·9	+ 2·7	281·1	288·6	13th	268·7	262·4	4th	274·9	*274·9*	+ 1·8	6	— 16
516	Denver	39 45	105 0	1613	839·1	1021·3	+ 4·4	281·7	294·7	14th	270·4	258·6	21st	276·1	*275·6*	+ 3·3	7	— 6
517	Abilene	32 23	99 40	530	958·6	1021·3	+ 2·2	286·3	299·1	2nd	274·7	267·4	5th	280·5	*280·1*	— 0·6	38	+ 15
518	Saint Louis	38 38	90 12	173	999·1	1020·3	+ 0·5	279·2	291·9	3rd	270·9	262·4	6th	275·0	*274·7*	+ 1·1	33	— 32
519	Mobile	30 41	88 2	17·4	1017·6	1019·6	— 0·1	288·9	294·7	14th	279·8	272·4	6th	284·3	*284·4*	— 0·6	111	— 22
520	Nashville	36 10	86 47	166	1000·4	1020·6	+ 0·3	280·9	293·0	3rd	272·6	265·2	7th	276·8	*277·1*	— 1·1	87	— 19
521	Charleston	32 47	79 56	14·6	1017·3	1018·9	— 0·9	287·0	295·8	18th	278·4	271·3	9th	282·7	*282·6*	— 1·0	40	— 44
522	Washington	38 54	77 3	34·1	1014·9	1019·3	— 0·3	277·6	288·0	4th	270·9	264·7	24th	274·2	*274·2*	— 0·3	77	— 4
524	Bermuda	32 17	64 46	46·0	1011·7	1017·2	— 1·1	291·7	295·6	5th	285·9	283·1	25th	288·8	*288·6*	— 1·4	142	+ 24
530	Santa Cruz (Flores)	39 27	31 9	40	1014·8	1019·8	— 1·3	288·9	290·9	3, 6, 8	284·8	281·9	23rd	286·9	*287·0*	+ 0·3	179	+ 5
531	Horta	38 32	28 38	65	1011·9	1019·7	— 1·5	288·5	290·2	20th	284·6	282·0	22nd	286·5	286·4	— 0·8	93	— 3
532a	Ponta Delgada	37 44	25 40	22	1016·9	1019·5	— 0·7	287·9	290·2	9th, 11th	284·6	282·2	5th	286·3	286·3	— 0·9	..	..
533	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	97	— 27
535	Madeira (Funchal)	32 38	16 55	25	‡1013·9	‡1016·9	— 3·9	289·8	294·2	10th	284·9	281·5	17th	287·3	*287·3*	— 0·8	320	+229
535a	Lisbon	38 43	9 9	95	1003·1	1014·7	— 4·9	285·4	287·7	12th	279·3	276·6	28th	282·3	282·2	— 2·0	60	— 29
536	Melilla	35 17	2 59	40	1010·2	1015·0	— 5·0	288·4	295·6	12th	282·1	276·0	29th	285·3	*285·3*	+ 0·5	60	— 25
536a	Gibraltar	36 6	5 21	16·2	..	1014·7	— 5·3	287·8	290·8	6th	281·8	276·3	28th	284·8	*284·5*	— 1·5	385	+278
562	Colomb-Béchar	31 36	2 4	769	925·2	1014·1	..	290·2	296·0	23rd	277·9	272·2	29th	284·1	*283·2*	..	0	..
		N. °	W. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1008·9	1011·7	− 7·0	285·3	289·4	10th	277·5	273·8	4th	281·4	..	− 3·0	47	+ 12
538	Algiers (Bouzaréah)	36 47	3 2	344	971·6	1012·7	− 5·8	284·8	290·7	10th	279·6	273·3	28th	282·2	*282·1*	− 1·1	74	+ 7
538a	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1007·0	1009·5	..	287·9	294·4	18th	280·2	275·2	26th	284·1	*283·3*	− 0·4	65	+ 14
539a	Malta	35 54	14 31	56·4	..	1011·2	− 4·8	288·3	293·6	20th	283·4	279·1	25th	285·8	*285·3*	− 0·1	50	− 6
540	Riposto	37 41	15 14	14·2	..	1011·9	− 5·2	287·2	289·4	15th	281·0	278·2	3rd, 8th	284·1	*284·1*	− 0·5	65	− 8
541	Athens	37 58	23 43	107	998·2	1011·2	− 5·9	286·5	290·2	20th	280·3	273·0	8th	283·4	282·8	+ 0·7	40	+ 1
542	Alexandria	31 12	29 53	32·0	1011·1	1015·0	− 1·9	293·6	305·3	29th	284·5	281·1	3rd	289·1	*288·4*	+ 0·9	48	+ 25
543	Nicosia (P.W.D.)	35 9	33 22	159	992·8	1011·6	− 4·3	288·9	293·6	15th	279·2	274·1	1st	284·0	282·8	+ 0·9	37	− 17
544	Beirut	33 54	35 28	33·7	..	1013·2	− 3·2	290·1	295·9	24th	284·1	279·7	6th	287·1	*286·9*	+ 0·3	215	+ 64
545	Hinaidi	33 17	44 29	32·3	..	1016·1	− 3·7	289·9	295·6	16th	278·2	273·2	6th	284·1	*282·4*	..	16	..
546	Lenkoran	38 46	48 52	−20·0	1019·0	1016·6	− 4·8	..	286·0	7th	275·2	271·9	7th	..	*278·0*	+ 0·5	91	+ 21
547	Tehran	35 41	51 25	1220	..	..	..	280·9	286·1	17th	271·6	265·3	20th	276·3	*276·2*	− 1·9	67	+ 38
548	Meshed	36 16	59 35	946	877·5	..	..	282·3	288·8	18, 27, 28	271·3	264·6	3rd	276·8	..	+ 1·0	84	+ 58
549	Seistan	31 0	61 30	610	..	..	..	292·2	300·1	28th	276·6	271·3	9th, 16th	284·4	..	..	0	− 9
550	Quetta	30 11	67 3	1677	832·2	..	− 1·8	285·5	292·8	27th	273·3	268·2	15th	279·4	*279·3*	+ 0·8	62	+ 15
551	Peshawar	34 2	71 37	339	976·6	1017·5	− 1·8	290·8	295·8	20th	279·8	276·1	14th	285·3	*284·7*	0·0	88	+ 54
551a	Lahore	31 34	74 20	214	989·7	1015·3	− 1·3	293·8	299·0	21st	281·9	278·2	11th	287·8	*287·6*	+ 0·5	57	+ 33
552	Simla	31 7	77 8	2204	780·3	..	0·0	282·3	288·6	21st	275·9	271·0	8th	279·1	*279·0*	+ 0·4	88	+ 9
552a	Leh	34 10	77 42	3503	663·0	..	− 0·6	273·9	279·7	26th	261·6	255·4	13th	267·7	*266·7*	+ 0·6	7	− 1
559	ϕHankow	30 35	114 17	37·0	1018·7	1023·3	− 2·4	282·3	289·9	21st	274·9	270·9	13th	278·6	*278·6*	+ 0·1	46	− 1
560	ϕTientsin	39 10	117 10	5·0	1023·8	1024·4	− 2·4	275·7	282·9	25th	267·2	262·1	12th	271·5	*271·2*	− 0·1	9	+ 6
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1021·9	− 3·1	281·6	287·5	20th	274·1	268·4	3rd	277·9	277·3	+ 0·2	103	+ 43
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1012·2	1020·8	− 2·2	275·1	284·1	7th	267·6	260·8	23rd	271·3	271·0	− 0·2	68	+ 49
562a	Nagasaki	32 44	129 52	133	1002·1	1018·5	− 2·2	282·2	291·5	7th	275·8	270·2	24th	279·0	278·9	0·0	70	− 18
563	Kyoto	35 1	135 44	42·9	1011·1	1016·5	− 2·2	282·4	290·1	8th	272·5	268·6	25th	277·5	276·7	+ 0·7	48	− 10
564	Tokyo	35 41	139 46	5·8	1012·2	1012·9	− 3·2	282·8	293·5	8th	272·6	267·9	17th	277·7	277·5	+ 0·7	68	− 3
565	Kanayama	37 53	140 46	24·6	1009·7	1012·8	− 3·0	278·9	290·7	8th	270·2	264·8	26th	274·5	274·1	+ 0·1	27	− 47
566	Miyako	39 38	141 59	30·4	1007·8	1011·6	− 3·3	278·2	290·1	8th	267·7	262·8	24th	272·9	272·1	− 0·6	21	− 40

FEBRUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·3	+ 2·5	295·7	299·7	26th	285·4	282·4	22nd	290·6	*289·9*	..	33	..
605	Honolulu	21 19	157 52	11·6	1017·2	1018·5	+ 1·1	297·9	299·7	..	292·5	290·2	..	295·2	*295·0*	+ 0·6	37	− 7
614	La Paz	24 10	110 20	12	1013·4	1014·8	..	296·2	298·8	22nd	287·1	282·4	6th	291·6	*291·0*	..	0	..
615	Chihuahua	28 38	106 4	1423	860·5	1018·2	..	290·7	296·0	9th	275·2	266·0	26th	283·0	*283·9*	− 1·5	12	+ 2
616	Leon	21 7	101 41	1809	823·3	1015·3	+ 1·5	297·6	301·0	14th	277·8	273·2	6th	287·7	*288·0*	0·0	0	− 8
616a	Monterry	25 40	100 18	528	957·1	1018·7	+ 2·3	293·8	302·0	3rd	282·7	276·7	27th	288·2	*286·9*	− 2·3	29	+ 9
617	Tulancingo	20 5	98 22	2181	790·3	1014·9	..	293·1	298·1	25th	278·7	273·8	5th	285·9	*285·1*	− 1·1	1	− 7
618	Galveston	29 18	94 50	16·5	1018·6	1020·6	+ 1·5	289·2	295·2	1st	282·9	274·7	5th	286·1	*285·5*	− 0·1	144	+ 73
618a	New Orleans	29 57	90 4	16·2	..	1020·0	+ 1·0	290·4	297·4	17th	281·4	273·6	6th	285·9	*285·5*	− 1·1	140	+ 35
619	Merida, Yuc.	20 58	89 38	22	1015·9	1018·5	+ 1·2	299·6	304·6	7th	290·6	287·0	25th	295·1	*293·6*	− 1·9	11	− 9
620	Havana	23 8	82 21	24·3	..	1019·1	+ 0·8	297·8	302·8	19th	290·9	285·4	10th	294·3	*294·0*	− 0·7	43	+ 7
620a	Key West	24 33	81 48	6·7	1018·4	1018·9	+ 0·5	295·4	300·2	26th	290·2	286·3	29th	292·8	*292·1*	− 1·6	12	− 20
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	297·4	..	..	290·8	..	..	294·1	*294·0*	− 1·1	20	− 21
622	Watling Island	24 6	74 26	33·5	..	1016·6	− 1·7	..	298	4th	..	292	28th, 29th	..	*295·4*	..	..	..
633	Port Etienne	20 56	17 3	4	1016·4	1016·9	..	298·6	306·0	14th	285·9	284·5	7th	292·3	*291·6*	..	0	..
634m	Izaña	28 19	16 30	2367	763·6	..	..	276·8	288·2	12th	270·8	266·2	3rd	273·8	*273·6*	− 2·4	15	..
634	La Laguna	28 28	16 20	547	952·5	1016·6	− 2·3	288·6	293·3	11th	281·5	276·6	1st	285·0	*284·5*	− 0·7	120	+ 40
636	Adrar	27 36	W 0 4	168	..	..	..	298·6	306·4	16th	279·8	272·5	29th	289·2	*291·2*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	0	..
641	Siwa	29 12	25 29	−23	1018·7	1015·9	..	294·9	305·0	20th	277·0	273·0	7th, 11th	286·0	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	1002·0	1015·6	− 1·3	295·2	306·4	29th	282·7	276·5	3rd	288·9	*288·6*	+ 1·5	0	− 5
643a	Aswan	24 2	32 53	99·6	1003·5	1015·2	− 1·3	301·4	311·7	24th	285·0	280·0	3rd	293·2	*292·5*	+ 2·5	..	..
644	Tor	28 14	33 37	1·9	1015·0	1015·2	− 0·8	296·1	302·4	29th	284·4	280·4	7th	290·2	*289·8*	+ 1·7	1	..
647	Bushire	28 59	50 53	4·3	1014·6	1015·3	− 1·9	291·7	298·2	23rd	284·3	280·2	8th	288·0	*287·7*	0·0	38	− 11
648	Jask	25 44	57 47	4·0	1014·2	1014·7	− 1·9	297·8	300·4	26th	290·1	285·6	8th	293·9	*293·6*	+ 0·7	1	− 21
649	Karachi	24 53	66 57	4·0	1014·2	1014·7	− 1·7	298·0	302·4	19th	288·9	283·9	10th	293·5	*293·2*	− 0·3	29	+ 19
650	Jacobabad	28 17	68 29	56·7	1008·4	1015·2	− 1·2	298·2	302·8	22nd	283·2	276·2	9th	290·7	*290·3*	+ 0·5	7	− 1
651	Jaipur	26 56	75 52	436	965·3	1016·1	− 0·6	298·8	303·7	22nd	284·1	279·7	16th	291·5	*291·0*	+ 0·1	14	+ 7
652	Nagpur	21 8	79 5	310	978·7	1014·2	− 0·7	305·4	308·8	24th	290·2	285·1	11th	297·8	*297·6*	+ 1·5	0	− 15
653	Allahabad	25 25	81 51	94·2	1004·2	1015·0	− 0·3	300·3	305·0	23rd	284·5	278·0	16th	292·4	*291·8*	+ 0·7	1	− 14
653a	Darjeeling	27 3	88 18	2265	774·7	..	− 0·9	281·8	287·4	29th	276·0	273·3	15th	278·9	*278·8*	+ 0·4	22	− 6
654	Calcutta	22 36	88 23	6·4	1012·9	1013·7	− 1·2	302·4	305·6	24th	289·7	286·4	18th	296·1	*295·8*	+ 1·5	17	− 11
655	Gauhati	26 8	91 41	59·7	1007·0	1014·5	− 2·2	299·6	303·7	27th	284·2	280·0	16th	291·9	*291·0*	+ 0·3	19	− 12
655m	Cherrapunji	25 15	91 42	1313	868·8	..	− 1·2	289·9	294·2	27th	282·7	279·6	16th	286·3	*285·6*	+ 0·6	15	− 54
655a	Akyab	20 11	92 56	6·1	1012·3	1012·9	− 1·3	301·6	305·8	29th	289·3	285·4	18th	295·4	*295·2*	− 0·3	3	− 2
656	Mandalay	21 59	96 0	76·2	1004·2	1013·0	− 1·1	304·8	309·6	28th	288·2	285·6	19th, 20th	296·5	*295·8*	− 0·4	0	− 2
656a	Tengyueh	25 2	98 33	1626	..	..	..	289·8	294·7	29th	275·3	271·9	15th, 18th	282·5	*281·9*	− 0·2	36	+ 9
657	Phu Lien	20 48	106 38	116	999·9	1013·5	− 3·3	293·7	305·5	9th	288·0	283·8	13th	290·9	290·5	+ 0·8	40	+ 7
658	Moncay	21 31	107 51	9·0	1013·2	1014·3	− 3·2	292·7	300·1	8th	286·7	282·1	14th	289·7	*289·7*	+ 0·6	120	+ 62
659	Hongkong	22 18	114 10	33·2	..	1015·4	− 3·2	290·6	296·7	7th	287·1	282·6	2nd	288·8	288·7	+ 0·9	115	+ 70
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1016·7	1017·8	− 2·2	291·8	301·9	6th	285·3	280·4	2nd	288·6	288·1	+ 0·4	343	+ 208
661a	Basco	20 28	121 59	18·7	..	1012·8	− 1·6	297·7	301·1	22nd	293·4	290·0	15th	295·5	*295·9*	+ 0·4	33	− 85
662	Naha	26 13	127 41	10·5	1015·9	1017·2	− 1·5	292·8	298·9	29th	285·8	279·6	26th	289·3	289·3	+ 0·3	194	+ 54
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1014·9	1015·4	− 1·1	294·0	296·8	11th, 28th	287·9	282·7	19th	290·9	291·2	+ 0·8	146	+ 61
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498														
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·9	..	− 0·3	295·3	298·5	24th	278·1	273·8	7th	286·7	286·4	− 0·1	1	− 7
718	Salina Cruz	16 12	95 12	56	1006·9	1013·4	− 0·7	300·9	304·5	18th	293·3	290·5	27th	297·1	*296·8*	− 0·8	4	− 7
719	San Salvador	13 42	89 12	682	938·6	1014·4	+ 1·0	305·2	307·8	19th	288·8	285·8	12th	297·0	*295·7*	+ 0·2	24	+ 17
720	Belize	17 29	88 12	5·2	1016·6	1017·2	+ 1·3	299·3	302·4	5th	293·7	288·6	27th	296·5	*296·1*	− 1·5	55	− 6
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1015·9	+ 0·9	302·3	304·7	17th	294·2	290·7	11th	298·2	*297·8*	+ 0·8	34	− 10
722	Port au Prince	18 33	72 20	37·4	1012·3	1016·6	+ 0·4	303·3	306·3	19th	293·7	291·6	3rd	298·5	*298·2*	+ 0·3	18	− 46
723a	Montserrat	16 41	62 9	36·6	?1012·4	?1016·6	+ 0·4	301·1	303·6	14th	294·3	290·8	2nd	297·7	*297·2*	− 0·3	48	− 39
724	San Juan, Porto Rico	18 29	66 7	25·0	1014·5	1017·6	+ 0·3	298·9	301·3	28th	293·9	291·3	9th	296·4	*296·2*	− 0·4	120	+ 56
724a	Grenada (Richmond Hill)	12 5	61 46	155	‡997·0	‡1015·0	+ 0·9	301·2	302·4	3, 11, 29	294·8	293·0	22nd	298·0	*297·6*	− 0·1	76	+ 5
725	ϕBarbados	13 8	59 36	55·2	..	1015·3	+ 0·3	301·1	302·6	4th	..	..	..	..	*296·4*	− 0·3	32	− 24
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1013·8	1015·1	− 0·1	296·7	299·5	25th	290·5	289·0	2, 3, 4	293·6	*294·4*	+ 0·1	0	− 5
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	297·3	300·6	13th	292·5	291·0	2nd	294·9	*295·0*	− 0·3	0	− 2
733	Dakar	14 40	17 26	32	1009·3	1013·0	..	298·9	306·5	13th	289·3	286·0	21st	294·1	*293·3*	− 0·8	0	− 2
734	Bathurst	13 27	16 34	1·8	1014·2	1014·3	+ 0·9	301·5	308·0	12th	290·4	288·0	13th	295·9	*295·5*	− 1·0	0	0
734a	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	..	..	..	..	..	..	..	..	0	0
735	Niénébalé	12 57	7 26	300	..	..	..	308·7	313·0	27th	293·0	288·0	10th	300·9	*300·3*	..	33	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	312·2	315·2	28th, 29th	289·3	285·8	10, 20, 21	300·7	*300·5*	+ 1·5	0	0
738	ϕKaduna Capital	10 32	7 25	637	943·5	1014·2	− 0·9	307·5	309·7	29th	..	..	..	..	‡*300·0*	+ 2·8	0	− 1
739	Hadeija	12 40	10 5	?	..	..	..	311·3	316·3	22nd	288·4	285·8	18th	299·9	*299·7*	+ 2·1	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	312·5	316·3	28th, 29th	290·1	288·6	sev. dates	301·3	*301·2*	+ 2·5	0	0
741	El Fasher	13 11	30 14	569	947·0	1010·3	− 1·2	306·5	311·6	23, 24, 29	287·5	280·4	7th	297·0	*296·1*	+ 1·7	0	..
743	El Obeid	13 32	25 18	730	..	..	..	306·7	311·9	23rd, 24th	285·3	280·1	7th	296·0	*294·9*	..	0	..
743a	Khartoum	15 37	32 33	390	967·0	1010·6	− 1·0	306·3	311·2	25th	289·6	281·7	7th	297·9	*297·7*	+ 0·7	0	0
744	Port Sudan	19 37	37 13	5·5	1013·0	1013·8	+ 0·1	300·8	302·9	25th	292·0	286·3	6th	296·4	*296·0*	+ 0·2	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1014·0	1015·0	..	302·6	305·8	15th	295·8	290·2	19th, 20th	299·2	*298·7*	+ 1·1	1	− 6
746	Aden	12 45	45 3	28·7	1011·5	1014·7	− 0·6	301·3	303·0	6th, 13th	295·6	293·4	22nd	298·4	*297·8*	+ 0·3	27	+ 22
751	Bombay	18 54	72 49	11·3	1012·1	1013·4	− 1·1	301·4	303·9	28th	293·8	289·8	13th	297·6	296·7	+ 0·3	0	− 2
752	Kodaikanal	10 14	77 28	2343	771·5	..	− 0·7	292·5	297·3	27th	281·7	280·2	18th	287·1	*286·2*	+ 0·7	5	− 31
752a	Bangalore	12 59	77 38	921	912·0	1013·1	− 0·7	304·9	306·3	23rd	289·5	286·9	19th	297·2	*296·9*	+ 1·7	0	− 4
753	Madras	13 4	80 14	6·7	1012·7	1013·5	− 0·9	303·7	306·3	10th	293·1	289·9	19th	298·4	*297·9*	+ 0·1	0	− 8
754	Vizagapatam	17 42	83 19	11·6	1012·2	1013·8	− 1·1	302·4	304·5	25th	295·6	292·2	1st	299·0	*298·5*	+ 0·7	0	− 22
755	Port Blair	11 40	92 40	18·0	1010·0	1012·0	− 1·1	302·6	303·7	3rd, 4th	296·1	293·4	24th	299·3	*298·8*	− 0·9	0	− 22
756	Rangoon	16 46	95 48	5·5	1011·9	1012·6	− 1·0	305·9	308·6	29th	292·3	290·1	20th	299·1	*297·9*	− 0·2	0	− 6
757	Saigon (Cap St. Jacques)	10 20	107 5	180	990·0	1010·6	− 0·4	302·0	305·6	21st	296·8	294·6	4th	299·4	*299·0*	+ 1·2	0	− 2
758	Nhatrang	12 15	109 12	3·6	1011·4	1011·8	− 1·6	302·4	304·6	24th	294·5	292·9	5, 15, 16	298·4	*297·9*	+ 0·8	20	− 8
759	Bolinao	16 23	119 53	7·1	..	1011·1	− 0·5	304·8	307·5	6th	293·4	291·0	3rd	299·1	*299·1*	+ 0·1	0	− 11
761	Vigan	17 34	120 23	12·2	..	1011·1	− 1·0	303·6	306·2	8th	295·0	291·7	13th	299·3	299·1	+ 0·5	30	+ 26
761a	Manila	14 35	120 59	14·2	..	1011·3	− 1·0	304·9	306·6	11th, 19th	294·2	292·0	15th, 18th	299·5	*298·7*	+ 0·4	1	− 10
762	Ormoc	11 0	124 36	5·6	..	1009·8	− 0·6	304·8	306·8	13th	294·7	290·2	16th	299·7	*299·3*	+ 1·3	87	− 33
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1010·1	0·0	301·9	303·4	16th	296·8	295·5	12th	299·3	*299·0*	− 0·1	34	− 42

Between Latitude 10° N. and 0°.

FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·0	1010·7	..	303·4	305·2	17th	297·8	296·4	28th	300·6	*300·2*	+ 0·1	324	+ 44
821	Colon	9 23	79 23	11·0	..	1012·7	+ 0·2	302·3	303·0	21st	297·2	293·6	4th	299·7	*299·3*	+ 0·1	71	+ 30
822	Bogota	4 36	74 5	2645	745·0	..	..	293·0	295·0	9th	281·4	279·1	16th	287·2	*286·7*	..	3	− 57
822a	Merida, Venez	8 36	71 9	1641	‡842·0	..	− 0·2	297·8	300·0	27th	287·3	285·5	5th	292·5	*291·5*	+ 0·7	4	− 40
823	Ciudad Bolivar	8 9	63 33	38	1008·3	1012·6	..	305·3	308·1	29th	294·9	292·8	16th	300·1	*299·5*	..	0	− 5
824	El Peru, Guayanavieja	7 19	61 49	220	987·0	1012·1	+ 0·9	302·3	304·1	28th, 29th	291·6	289·0	8th	296·9	*296·2*	− 0·4	13	− 56
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1013·8	+ 0·5	302·6	303·6	9, 18, 29	296·6	295·2	1st	299·6	*298·8*	+ 0·3	72	− 43
826	Paramaribo	5 49	55 9	3·7	‡1013·1	‡1013·5	+ 0·3	303·4	304·6	10th, 20th	293·2	290·6	1st	298·3	*298·5*	+ 0·5	47	+122
826a	Cayenne	4 56	52 21	6	..	..	..	301·4	303·0	28th	296·3	295·0	1st, 4th	298·9	*298·0*	− 0·5	68	−244
831	10°—5° N. 30°—25° W.	†† 7 5	†† 27 5	§(115-122)	..	1014·0	+ 1·7	..	..	Sea Temp. 298·0	− 0·4	..	..	..	297·8	− 0·4	..	..
833	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 14	68·3	1003·7	1011·6	+ 0·8	304·1	306·9	27th	295·3	294·1	sev. dates.	299·7	*298·6*	− 1·2	14	+ 6
835	Assuantsi	5 18	1 15	101	..	..	..	304·8	306·9	27th	294·6	293·0	10, 12, 25	299·7	*299·0*	..	79	+ 12
836	Accra	5 33	W 0 12	27·0	1006·9	1010·0	..	304·3	305·8	28th, 29th	296·9	294·7	1st	300·6	*300·1*	+ 0·8	41	+ 12
837	Lagos	6 27	E 3 24	4·6	1008·1	1008·5	− 1·2	305·9	306·9	21, 24, 27	298·1	295·2	29th	302·0	*301·2*	+ 0·9	28	− 20
838	Zungeru	9 48	6 10	130	..	..	..	311·7	313·0	14th, 28th	294·5	290·8	18th	303·1	*303·0*	+ 1·5	0	− 1
839	Yola	9 12	12 30	259	..	..	..	311·7	314·7	28th	..	..	..	..	‡*303·2*	+ 1·9	0	0
841	Wau	7 42	28 3	440	..	..	..	..	..	..	291·1	288·1	8, 9, 26

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1008·8	1009·8	+ 0·1	303·2	304·1	1st	297·9	296·9	3, 14, 15	300·6	*299·9*	− 0·4	84	+ 33
924	ϕManaos	3 8	60 1	43·8	1004·2	1009·3	..	305·9	310·6	6th	296·5	295·0	28th	301·2	*299·8*	+ 0·8	191	− 40
926	Taperinha	2 30	54 20	20·0	1009·0	1011·4	0·0	303·7	306·5	6th	295·7	293·7	4th	299·7	*298·7*	+ 1·1	308	+ 12
927	Turyassu	1 43	45 26	9·1	1009·3	1010·5	− 0·4	304·0	306·4	24th	294·9	293·4	sev. dates.	299·4	*298·6*	− 0·1	315	− 3
928	Barra do Corda	5 30	45 16	81·0	1009·5	1009·8	− 0·1	303·8	306·0	13, 24, 25	294·6	293·4	1st, 19th	299·2	*298·2*	+ 0·2	345	+158
930	Fernando Noronha	3 50	32 25	106	999·0	1010·9	− 0·8	301·3	302·3	10th	295·9	294·4	17th	299·0	*299·5*	− 1·2	199	+111
										12th, 24th Sea Temp.							
930*a*	5°—10° S. 35°—30° W.	††7 30	††33 22	§(49–55)	..	1010·9	..	..	..		301·2 | +1·1	..	..	..	*298·7*	..	372	+271
930*b*	0°— 5° S. 35°—30° W.	††3 18	††31 28	§(43–55)	..	1009·8	..	..	..		300·4 | +0·6	..	..	..		..	..	..
934	Ascension Island	7 56	W14 25	16·8	1010·5	1012·4	− 1·1	303·7	305·2	29th	298·0	296·3	3rd, 5th	300·8	*300·2*	+ 0·9	103	+ 91
939	ϕLoanda	8 49	E 13 13	51	..	1010·3	− 0·5	303·3	305·9	21st	296·8	295·3	5th, 7th	300·1	299·7	+ 0·9	90	+ 57
940	Brazzaville	4 17	15 16	321	976·8	1012·9	+ 1·5	305·0	310·5	17th	294·4	292·0	4th	299·7	*299·0*	+ 0·3	123	− 3
943	ϕMasaka	0 21	31 47	†1280	..	..	..	304·9	305·8	12, 16, 21	..	..	..	..	*292·7*	− 0·5	105	+ 43
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	37	− 14
944*a*	Zanzibar	6 10	39 11	21·9	1010·2	1012·7	− 0·3	303·6	305·3	7th	299·2	295·0	20th	301·4	*300·9*	− 0·2	209	+153
945	Lamu	2 16	40 50	3·0	..	..	..	303·4	305·8	11th	298·7	294·7	20th	301·1	*300·7*	+ 0·6	0	− 3
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·9	− 0·7	301·9	303·2	4th	299·3	297·7	23rd	300·6	*300·0*	+ 0·7	44	−273
957	Padang	0 56	100 22	6·7	..	1009·7	− 0·9	..	..	..	..	..	..	..	..	..	269	+ 9
958	Batavia	6 11	106 50	8·0	1008·2	1009·1	− 0·9	302·6	304·9	23rd	296·9	295·6	29th	299·8	299·2	+ 0·7	165	−161
958*a*	Pontianak	0 1	109 20	2·6	..	1010·0	− 0·2	..	..	..	..	..	..	..	..	..	333	+135
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	338	+ 63
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	519	+ 68
962	Amboina	3 42	128 10	4·2	..	1008·6	− 0·4	..	..	..	..	..	..	..	..	..	135	+ 18
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	356	+100
965	ϕDaru	9 4	143 13	7·6	..	1008·8	− 0·2	303·5	..	..	297·8	..	..	300·6	*300·2*	+ 0·3	431	+149
966	Port Moresby	9 29	147 9	39·0	..	1009·2	+ 0·4	304·4	..	..	297·8	..	..	301·1	*300·6*	+ 0·6	348	+132
967	Rabaul	4 9	152 12	20·7	..	1008·0	..	305·1	306·3	10, 14, 15	295·4	294·4	27th	300·3	*299·7*	0·0	301	+ 28
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1008·9	1009·1	+ 1·3	305·2	306·7	12, 13, 17	297·7	296·3	4th	301·5	*301·2*	+ 0·8	298	− 91
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·9	305·2	14, 19, 21	297·3	294·7	28th	300·6	*300·0*	− 0·2	129	− 96
		S.	E.															

FEBRUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·5	+ 1·1	303·2	305·3	7th	296·7	295·2	3rd	299·9	299·4	+ 0·3	357	− 31
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	303·6	308·0	4, 6, 18	295·4	290·2	2nd	299·5	*299·2*	− 0·4	466	+207
1021	Arequipa	16 22	71 33	2452	761·8	..	+ 1·1	293·3	295·0	27th	282·8	280·7	1st	288·1	*287·4*	+ 0·4	8	− 35
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	284·6	283·0	1st, 29th	..	*294·6*	..	0	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	994·7	1007·6	+ 0·3	307·2	310·6	8th	295·3	287·0	26th	301·2	*300·6*	+ 0·7	82	− 49
1026	Cuyaba	15 36	56 6	165	989·8	1008·5	− 0·6	305·0	308·0	14th	294·9	288·0	26th	300·0	*298·8*	− 0·1	191	− 20
1027	Bello Horizonte	19 55	43 57	895	913·0	1011·4	− 0·8	300·6	303·8	9th	292·1	289·4	21st	296·3	*295·1*	− 0·1	308	+ 83
1028	Caetite	14 3	42 37	897	914·5	1012·8	0·0	300·8	303·2	7th	292·3	291·2	12th	296·6	*295·7*	− 0·1	214	+114
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·1	1010·4	− 2·0	303·3	305·4	26th	297·4	296·4	3rd, 28th	300·4	*299·9*	+ 0·9	225	+111
1030	Aracaju	10 55	37 3	6·1	1011·6	1012·4	− 0·9	303·9	307·6	21st Sea Temp.	296·9	294·8	24th	300·4	*300·3*	+ 0·1	82	+ 43
1030*a*	15°—20° S. 40°—35° W.	††17 23	††37 50	§(62–73)	..	1011·3	..	..	..	..	300·5 | +0·5	..	..	..		..	..	..
1030*b*	10°—15° S. 40°—35° W.	††12 55	††36 13	§(40–48)	..	1011·3	..	..	..	..	301·1 | +0·9	..	..	..		..	..	..
1035	St. Helena	15 57	W 5 40	604	945·2	1013·4	+ 0·8	297·6	300·2	3rd	288·2	286·9	10, 11, 24	292·9	*292·8*	+ 0·8	69	− 28
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	303·8	25th	..	292·6	1st	..	*298·3*	..	2	..
1041	Livingstone	17 51	25 51	972	904·3	1008·8	..	305·3	311·3	27, 28, 29	291·6	287·7	15th	298·4	..	..	50	..
1041*a*	Elisabethville	11 39	27 28	1236	877·0	1009·1	+ 1·4	301·9	304·0	18th	288·8	284·4	13th	295·3	..	+ 0·2	145	− 98
1042	Gwelo	19 28	29 48	1417	861·0	1011·6	+ 0·8	300·4	307·6	5th	287·4	283·9	16th	293·9	..	0·0	38	−100
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	852·4	1008·7	− 0·2	298·4	302·3	27th	287·1	283·0	20th	292·7	291·9	− 0·7	46	−142
1044	Zomba	15 23	35 18	955	905·4	1010·2	+ 1·5	298·4	303·6	11th	290·7	288·0	24th	294·5	*293·7*	− 0·7	283	+ 12
1044*a*	Mossuril	14 57	40 40	15	..	1009·2	..	303·4	307·4	11th	296·2	294·4	24th	299·8	298·9	..	460	..
1045	Antananarivo	18 55	47 33	1375	862·5	1009·3	+ 0·4	298·8	302·4	18th	288·4	285·3	28th	293·6	292·9	+ 0·1	154	−134
1046	Tamatave	18 10	49 24	5	..	..	..	302·0	305·0	..	295·1	288·0	..	298·5	*298·0*	..	242	..
1047	Vohémar	13 21	50 1	3	..	..	..	305·3	308·0	..	296·3	293·5	..	300·8	*300·2*	..	151	..
1048	Antalaha	14 58	50 19	3	..	1006·0	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1009·9	1010·5	− 1·4	303·4	304·8	10th	299·0	297·1	8th	301·2	*300·8*	+ 0·7	175	− 12
1057	Christmas Island	10 25	105 43	5·5	1006·2	1006·8	− 0·7	303·6	306·3	28th	297·9	296·3	14th, 15th	300·8	*300·2*	+ 0·4	365	+ 68
1061	Kupang	10 10	123 34	45·1	..	1011·2	+ 2·3	304·7	307·2	9th	296·9	293·6	27th	300·8	300·2	+ 1·0	287	− 02
1061*a*	Derby	17 18	123 40	16·2	1005·8	1007·9	+ 0·3	309·0	312·7	1st	300·5	295·8	7th	304·7	..	+ 1·7	18	−134
1062	Hall's Creek	18 13	127 46	373	965·9	1006·9	− 0·4	309·6	312·6	3rd	295·4	289·5	26th	302·5	*302·1*	− 0·1	34	− 89
1063	Darwin	12 28	130 51	29·6	1004·2	1007·7	+ 1·3	304·9	308·9	3rd	298·1	295·6	5th	301·5	*300·5*	− 0·1	435	+102
1064	Daly Waters	16 16	133 23	211	981·6	1005·0	− 0·4	309·0	313·6	11th	296·2	289·7	25th	302·6	*302·2*	0·0	92	− 70
1065	Mein	13 13	142 47	122	992·9	1006·5	− 0·2	306·1	309·1	13th	294·9	291·9	6th	300·5	*299·8*	+ 0·2	98	−171
1066	ϕGeorgetown, Queensland	18 22	143 32	302	975·5	1009·1	+ 1·1	306·4	310·8	6th	296·8	294·1	17th	301·6	*301·3*	..	23	..
1066*a*	Willis Island	16 18	149 59	8·5	1008·1	1009·1	..	303·4	304·8	20th	299·8	298·6	25th	301·6	300·6	+ 0·1	181	− 50
1067	Samarai	10 37	150 40	15·2	..	1008·8	+ 0·8	304·2	..	..	297·6	..	..	300·9	*300·6*	+ 0·1	181	− 50
1072	ϕSuva, Fiji	18 8	178 26	6·1	1009·8	1010·5	+ 1·4	302·9	304·7	19th	295·8	293·8	14th	299·3	*299·0*	− 0·5	286	+ 14
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1105	ϕRarotonga, Avarua	21 12	159 47	6	..	..	..	302·3	303·3	8th, 26th	296·1	292·7	4th	299·2	*298·9*	+ 0·2	96	−161
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·6	1015·8	+ 1·4	293·9	295·2	2nd	289·0	287·9	26th	291·5	*291·1*	+ 1·0	0	0
1122	Iquique	20 12	70 11	9	1013·2	1014·2	+ 0·8	297·1	299·6	8th	289·3	288·0	26th	293·2	*294·2*	+ 0·2	0	0
1123	Catamarca	28 27	65 47	510	950·3	1006·3	− 1·4	307·4	314·4	7th	292·8	282·7	24th	300·1	*300·3*	+ 1·5	17	− 40
1124	Salta	24 46	65 28	1178	881·7	1009·0	+ 0·5	301·2	308·7	7th	288·8	281·5	25th	295·0	*294·8*	+ 0·2	101	− 46
1125	Goya	29 9	59 15	26	1007·7	1010·7	+ 1·9	304·9	311·8	4th	291·5	283·5	25th	298·2	*297·6*	− 0·7	107	+ 1
1126	ϕAsuncion	25 17	57 41	93	999·1	1009·6	+ 0·2	309·2	316·0	15th	293·9	284·5	25th	301·6	*300·4*	+ 0·6	83	− 42
1127	Curityba	25 25	49 17	908	912·7	1013·2	+ 0·3	297·5	304·8	7th	287·6	280·0	26th	292·6	*291·6*	− 1·5	98	− 50
1128	Rio de Janeiro	22 54	43 10	18·3	1010·0	1012·1	+ 0·4	301·3	308·4	8th Sea Temp.	295·4	291·7	26th	298·4	297·8	− 0·8	178	+ 64
1128*a*	25°—30° S. 50°—45° W.	††27 43	††48 3	§(76–93)	..	1013·1	..	..	..	..	296·3 | −1·9	..	..	..		..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 34	††41 40	§(40–48)	..	1011·7	..	..	..	..	298·5 | +0·5	..	..	..		..	..	..
1139	Windhoek	22 34	W E17 5	1669	..	..	..	301·5	303·8	28th	289·9	286·5	11th	295·7	*295·7*	+ 0·6	24	− 57
1141	Kimberley	28 42	24 47	1202	882·1	1011·1	+ 1·2	303·1	307·4	24th, 29th	288·8	282·4	11th	295·9	295·4	− 0·9	42	− 29
1141*a*	ϕJohannesburg	26 11	28 4	1806	823·1	1014·0	+ 0·9	295·7	300·9	1st	284·3	277·8	19th	290·0	*289·5*	− 1·7	74	− 59
1142	Bulawayo	20 9	28 35	1340	867·9	1011·8	+ 1·1	298·7	304·3	5th	287·3	282·4	23rd	293·0	*292·5*	− 1·2	111	+ 9
1143	Durban	29 52	31 3	15·2	1015·7	1017·5	+ 1·8	299·7	303·8	16th	293·6	288·8	11th	296·6	*296·1*	− 1·0	118	− 7
1144	Lourenço Marques	25 58	32 36	59	..	1014·9	+ 1·8	301·3	306·5	10th, 26th	293·1	289·6	11th	297·2	297·0	− 1·3	101	− 69
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	292·9	291·4	..	..	..	..	30	..
1146	Fort Dauphin	25 2	46 58	25	..	1007·0	..	299·8	303·0	..	288·2	284·0	..	294·0	*293·2*	..	113	..
1147	Mauritius	20 6	57 33	55·2	1002·8	1009·1	− 1·9	302·1	303·9	11th	296·4	293·6	29th	299·3	298·8	0·0	115	− 98
1159	Onslow	21 43	114 57	4·3	1005·4	1006·4	− 0·2	309·9	317·3	5th	295·4	291·4	13th	302·7	..	− 0·1	0	− 24
1160	Cue	27 27	117 52	454	959·2	1009·0	+ 0·8	309·4	315·2	29th	294·7	289·4	14th	302·1	..	− 0·5	1	− 18
1161	ϕNullagine	21 53	120 5	386	963·8	1005·7	− 0·5	312·6	315·2	3rd	296·4	291·0	17th	304·5	..	+ 0·4	23	− 34
1162	ϕLaverton	28 40	122 23	466	959·7	1011·4	+ 0·5	307·1	314·9	25th	291·1	286·4	15th	299·1	*298·9*	− 1·0	22	− 4
1163	Alice Springs	23 38	133 37	587	943·5	1007·7	+ 0·1	306·9	315·2	4th	292·6	284·1	25th	299·8	*300·0*	− 1·0	4	− 38
1164	William Creek	28 55	136 21	76·2	1001·6	1010·4	− 0·2	306·7	315·8	4th	291·9	286·3	24th	299·3	*299·0*	− 2·0	3	− 8
1164*a*	ϕBoulia	22 55	139 38	146	990·4	1006·6	+ 0·3	310·0	315·8	4th	297·4	291·9	24th	303·7	*303·9*	+ 0·6	72	+ 20
1165	Thargomindah	27 58	143 43	123	994·4	1008·2	− 0·6	308·0	314·2	6th	295·0	288·2	24th	301·5	*301·2*	− 0·9	43	+ 1
1166	Mitchell	26 32	147 52	336	972·3	1009·5	− 0·7	304·4	307·4	8th	292·8	284·7	24th, 25th	298·6	..	+ 0·1	186	+100
1167	Rockhampton	23 24	150 30	11·3	1008·7	1010·2	0·0	304·7	308·6	17th	296·6	294·1	29th	300·7	*300·2*	+ 1·1	211	+ 23
1168	Brisbane	27 28	153 2	41·8	1008·0	1012·4	− 0·2	303·1	308·7	17th	294·6	291·1	25th	298·8	*298·0*	+ 1·1	235	+ 78
1170	Norfolk Island	29 4	167 59	15·2	1014·5	1016·4	+ 3·6	300·4	303·8	24th	294·6	293·0	2, 6, 11	297·5	*297·1*	+ 2·1	60	− 77
		S.	E.															

Between Latitude 30° S. and 40° S.

FEBRUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	345	976·6	1016·8	..	293·1	297·2	14th	287·1	284·1	8th	290·1	*289·6*	..	75	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1001·8	1016·1	+ 1·5	291·9	296·0	17th	284·9	281·0	8th	288·4	*288·4*	+ 0·3	3	− 6
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1010·4	1015·3	+ 0·7	296·1	300·0	18th	286·7	283·8	26th	291·4	*290·9*	+ 0·1	0	0
1222*a*	Santiago	33 27	70 42	520	954·4	1013·7	+ 1·5	301·7	304·7	24th	283·9	280·8	25th	292·8	*291·8*	− 0·1	0	− 2
1223	Cordoba	31 25	64 12	423	962·0	1009·5	− 0·6	305·6	311·9	13th	288·3	278·8	25th	296·9	296·6	+ 1·1	19	− 88
1224	Bahia Blanca	38 45	62 15	25	1006·9	1009·9	− 2·6	302·0	308·0	27th	288·2	281·0	24th	295·1	*294·8*	− 0·3	21	− 34
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1009·4	1012·3	− 0·4	301·6	307·7	13th	287·3	278·9	25th	294·4	295·3	− 0·2	157	+ 89
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1010·2	− 2·8	..	304·5	13th	..	285·0	24th	..	*294·9*	0·0	97	+ 23
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1009·4	1012·1	− 0·5	303·6	309·8	4th Sea Temp.	291·2	284·3	26th	297·4	297·0	− 0·6	32	− 51
1226*b*	30°—35° S. 55°—50° W.	††32 20	††52 3	§(60–76)	..	1015·1	..	..	..	..	294·7 | −0·8	..	..	..		..	..	..
1239	ϕCape Town	33 56	W E 18 29	12·2	..	1014·3	+ 0·9	300·6	310·7	14th	289·4	286·2	3rd	295·0	*293·5*	+ 0·7	0	− 15
1240	Danger Point	34 37	19 18	27·7	1011·5	1014·8	..	295·3	298·6	12th	287·4	284·7	27th	291·3	..	− 0·6	15	− 5
1241	Riversdale	34 6	21 16	?100	..	..	..	..	..	..	..	..	..	..	..	..	22	− 11
1242	East London	33 2	27 55	44·8	..	1016·5	+ 2·5	297·3	301·6	5th	290·0	286·3	29th	293·7	..	− 0·5	27	− 32
1259	Perth (Observatory)	31 57	115 51	60·0	1006·6	1013·6	+ 0·3	302·4	310·2	27th	289·9	285·2	14th	296·2	*295·6*	− 0·2	3	− 8
1260	Katanning	33 42	117 35	310	979·1	1014·7	+ 0·6	301·4	311·9	28th	285·0	280·8	5th	293·2	..	− 1·1	0	− 15
1261	ϕCoolgardie	30 57	121 10	423	964·9	1012·5	+ 0·1	304·6	313·8	29th	288·8	281·4	15th	296·7	*296·5*	− 0·9	49	+ 27
1262	Eucla	31 45	128 58	4·6	1012·9	1013·5	− 0·7	296·8	310·2	25th	289·4	285·2	28th	293·1	*292·4*	− 1·6	14	− 2
1263	ϕStreaky Bay	32 48	134 13	13·1	1011·7	1013·3	− 1·0	300·1	308·0	25th	287·6	282·0	27th	293·8	*293·0*	− 1·7	15	+ 3
1264	Adelaide	34 56	138 35	42·7	1007·5	1012·5	− 1·7	300·1	309·7	14th	287·7	283·1	11th	293·9	*293·4*	− 2·4	67	+ 49
1265	Melbourne	37 49	144 58	35·1	1007·4	1011·5	− 3·0	296·7	306·7	2nd	286·2	277·6	24th	291·4	*291·0*	− 1·4	96	+ 53
1266	Bourke	30 13	145 58	110	1000·7	1013·6	− 0·5	307·0	313·3	13th	291·3	285·8	24th	299·2	..	− 2·1	68	+ 25
1267	Sydney	33 51	151 13	42·1	1006·7	1011·6	− 2·3	300·2	306·2	19th	291·6	286·9	23rd, 24th	295·9	*295·4*	+ 1·1	59	− 48
1268	Lord Howe Island	31 20	159 0	4·6	1014·5	1015·1	+ 0·8	298·5	301·7	20th	292·2	285·2	2nd	295·3	..	− 0·3	148	+ 32
1271	Auckland	36 50	174 50	38·1	..	1016·2	+ 1·8	296·8	299·1	15th	290·1	286·9	27th	293·4	..	+ 1·0	121	+ 44
1272	ϕNapier	39 29	176 55	1·5	..	..	..	..	..	..	..	..	..	..	..	..	28	− 45
		S.	E.															

Between Latitude 40° S. and 50° S.

FEBRUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1301	Chatham Island	43 57	176 31	45·7	..	1012·4	..	..	..	..	..	..	..	..	..	..	53	− 9
1321	ϕIsla Guafo	43 34	74 45	140	998·4	1015·1	− 1·1	288·6	291·1	18th	284·0	281·2	22nd	286·3	*286·3*	+ 0·7	129	+ 68
1322	Punta Galera	40 1	73 44	40	1012·2	1017·0	+ 0·8	289·4	292·2	12th	284·0	281·4	23rd, 24th	286·7	*287·0*	+ 0·3	94	+ 22
1323	Sarmiento	45 30	69 0	274	976·7	1007·2	− 2·2	296·8	305·9	1st	283·2	277·6	7th	290·0	*289·5*	− 0·5	14	+ 6
1324	Puerto Madryn	42 49	W64 58	14	1006·9	1008·3	− 1·7	298·2	308·6	2nd	284·8	276·8	24th	291·5	*291·2*	− 1·1	4	− 6
1365	Launceston	41 27	E147 10	10·1	1008·2	1009·4	− 4·9	296·4	303·1	4th	284·6	277·4	23rd	290·5	*289·2*	− 0·8	56	+ 28
1366	Hobart	42 53	147 20	53·9	1003·3	1009·8	− 3·2	291·9	298·5	25th	284·8	279·2	23r

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1000·8	1007·5	+ 4·7	283·4	285·2	20th	279·8	276·6	7th	281·6	*281·8*	+ 0·1	167	− 80
1422	Puerto de Punta Arenas	53 10	70 54	28	1000·4	1003·8	+ 3·1	286·8	291·6	13th	280·0	276·0	7th	283·4	*283·3*	− 0·4	27	− 2
1423	ϕPunta Dungeness	52 24	68 26	5	1002·2	1002·8	+ 2·7	287·9	291·6	14th	280·6	277·3	8th	284·3	*283·5*	− 1·2	19	+ 1
1424	Santa Cruz	50 11	68 21	12	1003·6	1004·6	+ 0·1	292·0	301·8	24th	281·2	274·7	7th	286·6	*286·3*	− 0·9	39	+ 30
1424*a*	Año Nuevo	54 39	64 8	50	994·0	1000·1	+ 3·4	284·6	292·0	19th	277·9	275·0	4th, 5th	281·3	*279·9*	− 1·2	80	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1000·9	..	284·7	291·9	24th	277·1	273·6	10th	280·9	..	..	97	+ 39
1426	Cape Pembroke	51 41	57 42	21·3	997·8	1000·3	− 1·0	283·2	289·1	24th	277·2	274·1	9th	280·2	280·6	− 2·2	..	..
1429	S.Georgia (Cumberland Bay)	54 14	36 33	4	990·4	990·9	− 5·7	280·0	285·1	23rd	272·5	269·6	18th	276·3	*276·7*	− 1·8	89	− 16
		S.	W.															

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	989·3	990·2	− 1·2	272·2	274·9	24th	268·7	263·2	14th	270·4	270·5	− 2·9	20	− 19
		S.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.			°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Enterbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction. and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8½h.
1	ESE	8·3	NE 2	WSW 1	WSW 3	NW 2	SW 1	NE 1	N 1	Calm 0	E 2	E 3	W 2
2	ESE	4·2	NE 3	SW 2	SW 3	Calm 0	Calm 0	E 1	EbyN 1	Calm 0	ENE 2	E 4	SE 1
3	SE	3·7	E 4	W 3	SW 2	NW 1	Calm 0	E 1	E 1	Calm 0	E 3	E 2	ESE 3
4	SE	4·0	E 4	WSW 2	WSW 3	N 1	NW 2	E 1	E 1	SE 2	ENE 2	Calm	SW 1
5	SE	2·9	ENE 5	SW 1	SW 4	NE 1	SW 1	E 1	E 1	Calm 0	Calm 0	NE 1	SSW 2
6	SSE	3·8	E 3	W 1	SW 5	N 1	Calm 0	EbyN 2	EbyN 1	Calm 0	W 1	Calm 0	SE 2
7	SE	1·9	E 2	WNW 1	WSW 3	S 1	SW 1	E 2	E 2	Calm 0	Calm 0	Calm 0	Calm 0
8	Calm	2·8	Calm 0	E 1	SSW 2	Calm 0	S 1	E 1	EbyN 1	Calm 0	NE 1	Calm 0	Calm 0
9	SE	5·8	ENE 2	ENE 2	SW 3	Calm 0	Calm 0	ENE 1	ENE 1	Calm 0	E 3	E 3	ESE 3
10	SE	5·3	NE 3	Calm 0	SSW 3	W 1	NW 2	E 1	E 1	SE 2	E 2	E 3	ESE 3
11	SE	2·5	E 3	Calm 0	WSW 3	NW 1	Calm 0	EbyS 1	E 2	SE 2	E 3	E 3	E 2
12	Calm	0·5	ESE 3	SSW 1	SW 4	Calm 0	Calm 0	E 2	EbyN 1	SE 2	E 3	E 3	ENE 5
13	Calm	0·8	E 3	Calm 0	SW 3	E 1	SW 1	E 1	E 1	SE 2	E 3	E 3	E 2
14	SE	3·4	E 2	SW 1	SW 2	E 1	Calm 0	EbyS 1	EbyS 2	SE 2	E 3	E 3	E 1
15	Calm	2·6	SE 3	Calm 0	SW 2	W 1	Calm 0	E 2	E 2	..	E 3	E 1	Calm 0
16	Calm	0·5	E 4	W 1	WSW 1	NW 2	Calm 0	EbyN 3	EbyN 3	..	E 3	E 3	Calm 0
17	Calm	0·2	E 2	NW 1	SW 5	Calm 0	Calm 0	EbyN 3	EbyN 2	Calm 0	E 2	E 3	ESE 3
18	Calm	1·7	ENE 5	SW 2	SW 3	NW 1	Calm 0	EbyN 2	EbyN 1	Calm 0	E 3	E 2	NNE 1
19	Calm	2·7	ESE 3	WSW 1	SW 1	S 1	Calm 0	EbyN 3	EbyN 2	SE 2	E 3	E 2	NE 2
20	SSE	4·5	ESE 4	NW 1	WSW 2	S 2	S 1	EbyN 2	E 2	Calm 0	E 4	E 3	Calm 0
21	SSE	4·7	ESE 4	SW 2	SW 1	SE 2	Calm 0	E 2	E 1	W 2	E 3	E 3	S 1
22	Calm	2·5	ESE 2	E 2	SW 4	SE 1	S 1	EbyN 2	EbyN 2	Calm 0	NE 3	NE 3	Calm 0
23	SE	4·7	Calm 0	SW 2	SW 3	NW 1	SW 2	EbyN 1	EbyN 1	Calm 0	NE 3	E 3	Calm 0
24	SE	5·7	ESE 3	NW 1	WSW 2	SE 3	SW 1	EbyN 1	EbyN 1	Calm 0	E 3	E 3	S 2
25	SE	8·8	E 4	WNW 2	WSW 2	S 1	SW 2	EbyN 1	E 1	Calm 0	E 3	E 3	SE 2
26	SE	9·7	E 5	WNW 1	WSW 2	N 1	SE 1	E 2	EbyN 1	NW 2	E 1	E 1	E 2
27	ESE	8·0	ENE 4	W 2	WSW 2	NW 1	W 2	EbyS 1	EbyS 1	Calm 0	NNE 2	E 2	E 2
28	SE	7·5	E 3	NW 2	SW 2	S 2	W 1	EbyS 2	E 1	Calm 0	N 2	N 1	N 3
29	SE	7·8	ENE 4	NE 1	SW 3	SE 1	Calm 0	EbyN 1	EbyN 1	Calm 0	NNE 2	E 1	E 1
											NE 2	Calm 0	Calm 0
Mean	..	4·2	3·1	1·3	2·7	1·1	0·7	1·6	1·3	0·7	2·3	2·0	1·7
§ Resultant	135°(65)	..	90°(84)	245°(66)		235°(19)		90°(97)		145°(20)	80°(77)		115°(39)
§ Normal	141°(90)	6·5	‖93°(79)	288°(21)		265°(30)		‖‖ 73°(82)		235°(19)	‖85°(35)		81°(51)

‖ Normal refers to ½ (9+21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1924.

‡‡*Barents Sea.*—In the southern part the edge, consisting of brash and young ice was met with in 68° N.41° E. At Bear Island the sea was ice free from the 1st to 18th and from the 25th to 28th. From the 19th to 24th and on the 29th close ice was lying round the island.

‡‡*Spitsbergen.*—On the 18th the Icefjord was frozen over.

‡‡*Iceland.*—The drift ice observed 40 miles northwest of Isafjord on the 1st, disappeared on the 3rd. On the 5th ice was observed 40 miles off Ønundarfjord and the bays at Cape North were filled with sea ice. On the 25th scattered ice was observed from Cape North drifting east. On the 29th Adalvik was filled with ice and off Sugandafjord the ice was 1 mile offshore. The normal duration of average ice conditions is 4 days visible.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock the young ice often broke but rapidly formed again; the old edge was lying 6 miles offshore. At Angmagsalik the "Storis" was just visible in the offing at first but from the 6th onwards it was lying close inshore, closely packed.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 12. Belle Isle Strait and the Gulf of St. Lawrence were filled with ice. Flat ice occurred between Canso Strait and Sable Island and on the 19th was seen east of Sable Island.

‡‡*Davis Strait.*—Fresh "Storis" arrived at Cape Farewell on the 15th and was lying close inshore from the 24th. In Julianehaab Bay there was ice everywhere. The "Storis" drifted northwards as far as Fiskernaes about the 15th. Further north there was neither "Storis" nor west ice. From the 6th the ice in Disko Bay and in Vajgat was passable for a few weeks and then broke up. At Umanak and Upernivik the ice remained unbroken. There was pack ice in Fury and Hecla Strait but an open lane ran to the north east point of Igloovik Island. At Murray Maxwell Inlet there was young ice.

‡‡ *Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE
FOR THE MONTH OF MARCH 1924
BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

MARCH—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	..	..	254·1	260·8	sev. dates.	247·5	235·8	16th	250·8	..	+ 3·4	8	+ 2
125	Upernivik	72 47	56 7	19·2	1016·0	1018·6	+ 6·2	258·2	271·3	1st	248·8	245·0	7th	253·5	*252·8*	+ 1·1	3	− 14
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	254·3	259·5	27th	244·5	238·0	24th	249·4	*249·4*	..	33	..
135	Jan Mayen	70 59	W 8 18	23·1	1011·7	1014·6	..	..	275·5	13th	265·2	259·9	1st	..	*267·9*	..	22	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1015·2	1016·8	+ 7·3	..	271·6	29th	248·1	240·8	7th	..	252·3	− 2·1	22	− 6
140	Björnöen	74 28	19 17	40·5	1008·6	1013·9	..	..	272·0	23rd	257·2	246·5	7th	..	*261·3*	..	14	..
141	Gjesvaer	71 6	25 22	6·5	1009·6	1010·4	+ 5·0	..	276·8	14th	266·8	261·1	8th	..	*269·3*	− 0·4	73	+ 14
142	Mehavn	71 1	27 47	10·2	1009·2	1010·5	+ 4·2	..	275·0	14th	265·1	259·1	2nd	..	*267·9*	− 0·7	146	+ 90
143	ϕVardö	70 22	31 8	6·8	1008·6	1009·5	+ 2·7	..	275·0	14th	266·0	262·8	1st	..	*268·7*	+ 0·4	101	+ 48
147	Malye Karmakouly	72 23	52 43	15·3	1007·1	1009·1	− 1·5	263·4	270·0	6th	256·2	238·4	16th	259·8	*260·0*	+ 2·1	46	+ 39
148	Waigatz	70 24	58 47	11·2	1008·7	1010·2	..	266·3	273·3	7th	254·4	243·2	17th	260·4	*259·7*	..	15	..
153	Dickson	73 30	80 23	13	1010·6	1012·4	..	257·4	265·8	22nd	248·9	239·8	13th, 18th	253·2	..	..	3	..
		N.	E.															

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1008·1	− 3·3	268·3	275·2	21st	260·7	244·1	1st	264·5	*264·2*	+ 4·2	12	− 11
204	Candle	65 55	161 57	2·4	..	..	..	264·1	273·6	6th	254·9	239·7	28th	259·5	..	+ 3·9	..	..
205	Tanana	65 10	152 6	67·1	..	1012·2	− 4·8	271·4	280·2	21st	260·9	242·4	28th	266·2	*265·6*	+ 7·6	4	− 13
206	Rampart	65 30	150 15	114	..	..	..	268·5	280·2	22nd	257·2	239·7	27th, 28th	262·8	..	+ 4·9	6	− 6
207	Valdez	61 7	146 16	7·6	..	..	..	274·3	275·2	9, 10, 13	266·8	257·4	29th	270·6	..	+ 1·7	..	..
208	Eagle	64 46	141 12	254	..	1013·5	− 0·9	273·1	281·3	8th	258·4	238·6	28th	265·8	*265·3*	+ 6·0	1	− 10
209	Dawson	64 4	139 29	324	975·2	1017·1	0·0	269·1	280·8	8th	255·8	239·7	29th	262·4	..	+ 4·7	7	− 7
210	Carcross	60 11	134 34	662	..	..	..	274·4	278·6	15th	263·2	242·4	29th	268·8	..	+ 6·3	..	..
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	1000·7	1018·6	+ 0·4	270·9	276·9	22nd	255·6	237·4	31st	263·3	..	+ 9·6	4	− 9
213	ϕHay River	60 51	115 20	161	999·0	1020·2	+ 2·3	266·1	277·4	22nd	255·0	235·8	28th	260·5	..	+ 5·0	9	− 5
225	Jacobshavn	69 13	51 2	31·6	1010·8	1015·0	+ 5·0	264·9	275·8	1st	258·5	248·4	24th	261·7	*262·1*	+ 5·3	25	+ 13
226	Godthaab	64 11	51 43	20·4	1007·6	1010·2	+ 4·4	272·4	279·0	30th	266·4	260·3	27th	269·4	*268·5*	+ 3·2	8	− 37
227	Ivigtut	61 12	48 10	5·0	1010·6	1011·2	+ 6·6	273·9	282·7	16th	266·2	257·7	12th	270·1	*270·3*	+ 2·0	28	− 58
229	Angmagsalik	65 37	37 33	29·3	1010·4	1014·2	+ 7·4	268·3	275·7	31st	259·9	252·0	6th	264·1	*264·2*	− 0·6	63	+ 1
231	Stykkisholm	65 5	22 46	25	..	1013·2	+ 7·3	274·2	281·0	31st	268·3	258·5	2nd	271·3	*271·2*	+ 0·5	51	+ 1
232	Vestmanno	63 24	20 17	132	..	1010·3	+ 6·4	277·5	282·9	31st	270·8	258·0	1st	274·1	*273·3*	− 0·5	69	− 44
233	Grimsey	66 33	18 1	22·0	..	..	..	271·9	278·6	12th	268·0	259·7	1st	269·9	*269·9*	+ 0·2	5	− 12
233*a*	Akureyri	65 40	18 5	4	..	1013·9	+ 6·9	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1011·8	+ 5·9	274·7	280·2	12th, 24th	268·4	259·6	1st	271·5	*272·1*	+ 0·4	123	+ 42
235	Thorshavn	62 3	6 45	26·3	1007·2	1010·5	+ 3·8	276·5	281·9	12th	271·4	263·9	5th	273·9	*274·4*	+ 2·0	92	− 32
236	Lerwick	60 9	W 1 11	18·0	..	1009·9	+ 2·9	277·9	283·0	14th	274·3	269·1	3rd	276·1	*275·9*	− 0·7	82	+ 2
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1004·4	1010·0	+ 0·6	276·7	281·7	31st	271·1	264·5	20th	273·9	*274·0*	− 1·7	145	+ 24
238	Aalesund	62 28	6 10	6·3	1008·7	1009·5	+ 0·5	..	282·0	14th	270·5	265·0	19th	..	*273·4*	− 2·1	99	+ 19
239	ϕTrondhjem	63 26	10 25	37·0	1005·6	1010·3	+ 1·5	273·8	279·4	15th	266·1	258·6	19th	269·9	*270·3*	− 1·9	49	− 6
240	Bodö	67 17	14 24	22·3	1007·2	1010·0	+ 3·2	..	277·6	14th	266·4	260·8	18th	..	*270·0*	− 1·4	113	+ 55
241	Haparanda	65 50	24 9	9·2	1009·5	1010·7	+ 0·3	268·6	275·0	15th	258·7	248·0	24th	263·7	*264·2*	− 0·7	19	− 7
242	Helsingfors	60 10	24 57	11·7	1009·8	1011·3	− 1·2	271·4	277·4	29th	265·8	258·3	13th	268·6	*269·0*	− 0·1	56	+ 21
242*a*	Kuopio	62 54	27 40	90·3	‡980·4	‡1010·0	− 2·0	270·3	275·4	29th	262·6	247·4	12th	266·5	*267·0*	− 0·1	54	+ 19
243	Kola	68 53	33 1	6·7	1009·2	1010·1	+ 1·8	269·0	275·1	15th	258·9	248·9	17th	264·0	*264·8*	− 0·3	39	+ 28
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1012·3	1013·1	+ 0·8	270·8	276·8	30th	263·0	253·4	27th	266·9	*267·1*	+ 1·9	23	+ 3
246	Mezen	65 50	44 16	14·9	1010·3	1012·2	+ 1·5	269·7	277·2	31st	261·9	250·8	26th	265·8	*266·4*	+ 2·9	35	+ 26
247	Oust-Tsylma	65 25	52 18	?68	1004·8	1013·6	− 0·2	270·3	277·0	31st	262·9	251·9	12th	266·6	*266·8*	+ 4·7	28	+ 12
248	Tcherdyn	60 24	56 31	?177	999·2	1022·1	+ 5·3	271·7	283·7	31st	261·7	249·1	1st	266·7	*266·8*	+ 1·9	32	+ 4
249	Berezov	63 56	65 4	39·5	1013·5	1018·7	+ 2·7	268·0	278·8	31st	..	..	..	..	*263·6*	+ 3·6	10	− 6
250	ϕObdorsk	66 31	66 36	35·2	1013·4	1018·1	+ 2·3	..	270·3	16th	255·1	244·0	2nd	..	*259·2*	+ 4·4	23	+ 15
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1016·6	1021·8	+ 3·3	..	277·0	17th	257·3	243·6	6th	..	*263·1*	+ 3·2	13	− 2
253	Doudinka	69 23	86 4	20·0	1017·2	1019·9	+ 4·6	..	268·1	22nd	250·1	238·3	18th	..	*255·2*	+ 6·4	2	− 3
254	Touroukhansk	65 47	87 57	45·0	1018·2	1024·2	+ 7·9	..	272·0	22nd	252·3	236·1	14th	..	*259·1*	+ 2·8	20	+ 9
261	Viliouisk	63 45	121 35	120	..	..	..	..	269·0	17th	245·8	233·6	9th	..	*253·1*	+ 0·5	3	− 4
262	ϕIakoutsk	62 1	129 43	108	1009·4	1024·3	+ 4·2	..	267·5	18th	242·4	231·2	21st	..	*249·6*	− 0·9	3	− 2
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															

*For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	276·2	279·7	24th	271·9	268·0	5th	274·1	..	..	108	..
302	St. Paul Island	57 15	170 10	21·3	..	1000·7	− 6·6	272·0	276·3	26th	267·8	259·7	9th	269·9	..	+ 0·3	29	− 27
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	999·3	− 7·5	278·6	284·1	..	272·2	266·3	..	275·4	*274·9*	+ 1·5	60	− 69
304	Port Moller	55 56	160 30	5·5	..	..	..	275·4	282·4	25th	270·9	259·1	9th	273·2	..	..	73	..
305	Dillingham	59 0	158 28	24·4	..	..	..	274·5	278·0	10th	269·9	261·9	14th	272·2	..	+ 4·5	40	− 16
306	Kodiak (Radio)	57 46	152 22	6·1	..	1006·1	− 1·3	279·1	284·1	sev. dates. Sea Temp.	272·0	269·1	sev. dates.	275·6	*275·5*	+ 1·9	23	− 64
307	55°—50° N. 150°—145° W.	††51 34	††147 16	§(23)	..	1016·2	+ 7·8	..	..	278·0|+1·1	..	..	..	..	276·9	+ 1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1015·2	+ 3·2	280·6	286·3	23rd	273·6	263·6	29th	277·1	*276·7*	+ 1·5	158	+ 15
310	Prince Rupert	54 18	130 18	51·8	1011·3	1017·7	+ 5·3	282·4	287·4	23rd	274·1	267·4	29th	278·3	*278·4*	+ 1·8	140	− 107
311	Barkerville	53 2	121 35	1274	866·2	1016·4	+ 2·7	274·1	278·0	6th	264·1	254·1	30th	269·1	*268·9*	− 0·4	60	− 5
312	ϕKamloops	50 41	120 29	385	972·9	1020·0	+ 1·3	282·9	287·2	12th	271·4	263·7	30th	277·2	*277·3*	+ 0·8	4	− 4
313	Calgary	51 2	114 2	1045	892·4	1017·2	+ 1·7	275·8	283·0	1st	264·7	256·3	30th	270·2	*269·9*	+ 0·9	61	+ 44
314	Fort Chipewyan	58 42	111 10	218	992·2	1020·5	+ 2·6	268·0	276·3	18th, 23rd	258·6	246·3	31st	263·3	*264·1*	+ 5·4	14	− 1
315	Prince Albert	53 10	105 38	442	965·7	1021·6	+ 4·8	272·4	277·4	19th, 25th	262·4	250·8	6th	267·4	*267·1*	+ 4·3	8	− 14
316	Qu'Appelle	50 30	103 47	645	939·3	1019·5	+ 1·3	272·4	277·4	19th	263·6	249·1	8th	268·0	*267·5*	+ 3·8	50	+ 24
317	Minnedosa	50 15	99 50	515	956·5	1021·5	+ 2·2	271·6	277·4	25th, 26th	261·1	251·2	10th	266·3	*266·0*	+ 2·7	4	− 15
318	Berens River	52 18	97 23	216	..	..	..	273·9	283·6	26th	254·8	244·1	31st	264·3	..	+ 2·1	15	− 7
318*a*	Port Nelson	57 0	92 51	14·9	1021·6	1023·5	+ 6·1	264·6	274·1	23rd	256·5	243·6	28th, 29th	260·6	..	+ 6·8	..	..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1014·9	1016·1	− 0·9	268·7	278·6	27th	258·8	248·6	14th	263·8	..	+ 2·9	24	..
321	Fort George	53 50	79 5	97·5	..	..	..	266·4	276·3	27th	257·9	245·2	30th	262·2	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	271·4	281·9	22nd	261·4	249·1	15th, 26th	266·4	..	+ 5·5	48	− 4
324	Natashquan	50 8	61 48	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
331	55°—50° N. 30°—25° W.	††52 12	††27 46	§(23–26)	..	1005·1	..	..	..	Sea Temp. 282·3| 0·0	..	..	..	..	..	..	..
333	53°—48° N. 20°—15° W.	††49 43	††17 32	§(28–33)	..	1004·8	..	..	..	284·1|+0·3	..	..	..	..	281·8	..	..	..
333*a*	62°—57° N. 20°—15° W.	††59 2	††17 12	§(20)	..	..	..	..	..	281·4|+0·2	..	..	..	..	279·9	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1008·1	− 4·7	282·5	286·9	25th	277·6	270·8	2nd	280·1	280·3	+ 0·1	40	− 7
335	Aberdeen	57 10	W 2 6	26·8	..	1010·8	+ 1·3	278·3	284·1	14th	273·5	267·4	3rd	275·9	275·9	− 1·3	29	− 33
336	Greenwich	51 28	0 0	46·3	..	1012·4	− 0·9	282·7	288·0	23rd, 24th	273·5	269·1	5, 10, 15	278·1	277·3	− 1·2	17	− 27
337	Uccle	50 48	E 4 22	100	1000·3	1012·6	− 2·0	282·5	287·6	22nd	273·4	269·8	17th	277·9	277·4	− 0·6	44	− 17
338	De Bilt	52 6	5 11	3·0	1012·6	1013·0	− 0·2	280·9	286·6	26th	272·3	268·6	8th	276·6	276·3	− 1·0	41	− 9
338*a*	Hamburg	53 33	9 58	40·3	1008·4	1013·4	+ 0·9	278·8	287·3	25th	272·6	267·5	19th	275·7	*275·4*	− 0·8	25	− 27
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1012·0	1012·6	+ 0·3	275·7	280·5	24th	269·8	264·3	1st	272·7	*272·7*	− 1·2	49	+ 13
340	Potsdam	52 23	13 4	84·9	1003·8	1014·4	+ 1·1	280·4	290·5	23rd	271·7	264·1	19th	276·1	276·4	− 1·1	11	− 31
340*a*	Uppsala	59 51	17 38	24	1007·7	1010·7	− 0·7	272·1	279·3	30th	263·5	249·5	21st	267·8	268·3	− 2·0	46	+ 17
341	Warsaw	52 13	21 3	89·9	1003·4	1014·7	− 0·5	275·6	284·1	27th	267·9	258·0	1st	271·7	*272·0*	..	19	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1003·2	1012·7	− 0·4	272·3	278·3	26th, 31st	265·6	253·6	13th	269·0	268·9	− 0·9	30	+ 6
343	Leningrad	59 56	30 16	4·8	1012·0	1012·6	− 0·3	271·4	277·7	27th	265·4	252·8	13th	268·4	*268·4*	− 0·4	62	+ 39
344	Kiiv	50 27	30 30	183	995·6	1018·9	+ 2·9	272·8	279·2	30th	266·6	256·3	20th	269·7	*269·5*	− 3·0	51	+ 11
344*a*	Moscow	55 50	37 33	167	999·4	1021·0	+ 3·9	271·5	277·7	30th	262·2	252·2	19th	266·8	*266·8*	− 1·9	24	− 7
345	Saratov	51 33	45 57	122	1011·5	1027·6	+ 8·1	267·2	275·0	31st	260·2	250·4	1st	263·7	*263·8*	− 2·7	22	..
346	Kazan	55 47	49 8	79·9	1017·5	1028·0	+ 7·5	271·2	278·9	31st	262·0	250·9	1st	266·6	*266·1*	− 0·7	20	− 2
347	Orenburg	51 45	55 6	109	1016·0	1030·4	+ 6·4	269·6	276·2	31st	258·1	243·4	1st	263·8	*264·0*	− 1·2	18	− 5
348	Perm	58 1	56 16	163	1005·6	1026·8	+ 7·1	272·1	280·5	31st	261·3	249·3	2nd	266·7	*266·2*	+ 0·3	34	+ 5
349	Sverdlovsk	56 50	60 38	281	990·6	1026·8	+ 5·6	272·1	282·1	31st	261·4	246·0	3rd	266·8	*266·6*	+ 1·0	26	+ 16
350	ϕTobolsk	58 12	68 14	108	1011·2	1025·3	+ 4·9	271·3	275·5	13th	261·2	252·3	4th	266·2	*266·3*	+ 2·3	11	− 5
351	Akmolinsk	51 12	71 23	347	..	..	..	266·3	276·4	19th	254·3	240·8	8th	260·3	*260·2*	− 1·7	12	− 5
352	Omsk	55 1	73 19	108	1013·9	1028·3	+ 3·5	..	274·1	20th	..	245·8	7th	..	*261·4*	+ 0·1	3	− 5
353	Barnaoul	53 20	83 48	162	1011·0	1032·5	+ 4·7	267·7	277·9	24th	256·2	244·7	8th	262·0	*262·1*	− 0·6	12	− 5
354	Tomsk	56 30	84 58	122	1013·2	1029·4	+ 4·4	..	275·4	21st	256·4	244·7	7th	..	*262·1*	− 0·3	19	− 5
355	Minousinsk	53 43	91 41	248	1000·3	1033·5	+ 5·6	..	277·0	26th	252·7	241·2	9th	..	*259·4*	− 3·7	7	+ 5
356	Eniseisk	58 27	92 10	77·6	1018·3	1028·7	+ 5·6	..	274·4	20th	252·6	238·4	2nd	..	*261·3*	− 1·1	8	− 5
357	Irkutsk	52 16	104 19	467	971·1	1032·2	+ 4·9	269·0	277·5	19th	254·3	244·5	5th	261·7	261·6	− 1·3	7	− 5
358	ϕKirensk	57 47	108 7	278	992·6	1029·2	+ 5·3	..	275·5	17th	252·7	239·2	3rd, 22nd	..	*260·1*	+ 0·2	10	− 5
359	ϕTchita	52 2	113 30	674	..	..	..	..	..	..	252·0	242·1	3rd	..	*259·2*	− 1·6	1	− 5
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1002·2	1020·8	+ 2·0	268·6	274·6	31st	257·4	250·5	1st	263·0	*262·7*	− 0·9	14	+ 6
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1003·0	‡1004·7	− 2·0	268·9	273·6	30th	262·5	256·3	7th, 22nd	265·7	*265·8*	+ 0·2	158	+ 79
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and 107

†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·5	+ 1·6	283·6	286·7	24th	276·8	272·4	29th	280·2	279·6	+ 0·8	15	− 47
412	Portland, Oregon	45 32	122 41	46·6	1012·9	1018·3	+ 1·2	285·0	288·6	18th	276·4	273·0	8th	280·7	*280·4*	− 0·2	36	− 86
413	Macleod	49 44	113 24	953	..	..	..	276·7	282·4	5, 19, 29	266·6	260·8	29th	271·7	*271·7*	+ 1·6	25	+ 8
414	Helena	46 34	112 4	1253	869·9	1015·2	− 1·7	276·4	283·0	1st	268·6	261·3	18th	272·5	*272·2*	− 0·4	26	+ 6
414*a*	Salt Lake City	40 46	111 54	1329	862·7	1012·2	− 3·7	279·3	288·6	2nd	271·8	266·9	31st	275·6	*275·5*	− 2·6	56	+ 4
415	Cheyenne	41 8	104 48	1856	806·0	1014·9	− 3·2	271·8	283·0	1st	262·7	253·6	17th	267·2	*268·0*	− 6·3	43	+ 20
416	North Platte	41 8	100 45	860	915·4	1017·9	− 0·5	276·1	293·0	27th	266·6	255·8	9th	271·3	*271·8*	− 3·9	49	+ 28
416*a*	Bismarck	46 47	100 38	510	957·5	1020·3	+ 1·7	274·9	283·6	24th	265·2	256·3	10th	270·1	*269·9*	+ 1·6	15	− 11
417	Winnipeg	49 53	97 7	232	991·6	1021·3	+ 2·2	273·6	280·8	25th	263·6	256·3	30th	268·6	*268·0*	+ 5·0	2	− 27
418	Duluth	46 47	92 6	345	974·7	1017·6	− 0·3	273·2	279·7	27th	265·3	256·3	30th	269·3	*268·8*	+ 0·2	11	− 29
419	Port Arthur	48 27	89 12	196	993·3	1018·2	+ 0·8	273·6	278·0	27th	264·7	253·6	30th	269·1	*268·8*	+ 3·5	6	− 16
420	Chicago	41 53	87 37	251	983·3	1014·2	− 3·2	277·1	290·2	27th	271·8	264·7	7th	274·4	*274·2*	− 1·2	94	+ 28
421	Toronto	43 40	79 24	116	997·3	1011·9	− 5·4	275·8	283·1	23rd	269·6	261·2	14th	272·7	*272·7*	+ 1·0	20	− 41
422	ϕNew York (Central Park)	40 47	73 58	47·4	1002·6	1008·5	− 7·9	280·8	291·9	30th	273·2	268·6	15th	277·0	*276·6*	+ 0·3	53	− 44
423	St. John, N.B.	45 17	66 4	36·2	999·4	1003·9	−10·2	275·7	282·8	24th	269·2	259·4	2nd	272·5	*272·2*	+ 1·5	57	− 58
424	S.W. Point, Anticosti	49 24	63 33	9·1	1004·8	1006·0	− 4·9	273·6	278·6	20th	268·7	261·6	2nd	271·1	*271·1*	+ 4·2	27	− 19
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	999·4	1000·4	−13·9	275·4	279·7	28th	272·2	269·1	17th	273·8	*273·7*	+ 0·8	107	− 4
425	Port aux Basques	47 35	59 10	9·1	999·6	1000·8	−10·0	276·1	281·1	19th	271·1	264·4	27th	273·6	*273·4*	+ 5·0	78	− 41
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°—45° N. 35°—30° W.	††47 35	††32 36	§(32–37)	..	1006·0	..	..	..	Sea Temp. 285·5|+0·2	..	..	..	..	283·8	..	..	..
435	Madrid	40 24	3 41	667	934·7	1012·7	− 4·8	286·2	290·5	25th	278·2	269·5	7th	282·2	*281·8*	+ 0·3	56	+ 24
436	Nantes	47 15	W 1 34	36·5	1005·2	1009·9	− 5·0	285·3	289·2	12th	277·0	271·9	16th	281·1	280·8	+ 0·6	104	+ 41
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·2	1012·7	− 2·3	284·4	289·5	26th	274·7	269·6	6th	279·5	279·2	− 0·1	52	+ 14
438	Marseille	43 18	5 23	75	..	1011·2	− 2·3	288·7	293·0	30th	278·5	271·0	1st	283·6	*282·9*	− 0·1	70	+ 23
438*a*	Zürich	47 23	8 33	493	955·0	1014·5	− 1·3	282·6	292·0	28th	272·7	267·3	15th	277·7	277·2	0·0	50	− 25
439	Rome	41 54	12 27	45·5	1001·0	1006·2	− 7·0	288·1	291·5	27th	279·5	273·2	15th	283·8	*283·5*	− 0·1	92	+ 19
440	Vienna	48 15	16 22	203	999·1	1015·2	+ 0·4	279·4	288·8	26th	272·9	265·7	1st	276·1	276·0	− 1·3	26	− 21
440*a*	Budapest	47 31	19 1	130	998·4	1014·5	− 0·6	281·6	289·3	26th	274·6	265·5	1st	278·1	277·6	− 0·3	61	+ 15
441	Sofia	42 42	23 20	550	950·1	1016·5	− 1·2	280·6	291·0	27th	273·0	262·6	2nd	276·8	276·5	− 1·6	35	− 7
442	Bucharest	44 25	26 6	82	1006·4	1016·6	+ 0·6	282·4	297·0	26th	273·4	266·3	2nd	277·9	277·6	− 0·4	43	+ 1
443	Odessa (Observatory)	46 26	30 46	42·8	1012·5	1017·9	+ 1·2	275·1	284·8	31st	270·5	263·7	15th	272·8	*272·5*	− 3·1	20	− 7
444	ϕKharkiv (University)	50 0	36 14	140	1004·3	1022·3	+ 4·6	272·0	277·9	24, 29, 31	265·2	256·4	11th	268·6	*268·5*	− 3·4	34	+ 2
444*a*	Novorossiisk	44 44	37 49	37·1	1013·0	1017·6	+ 1·0	283·4	293·1	29th	275·2	270·2	5th	279·3	*279·3*	+ 0·2	43	− 9
445	Tiflis	41 43	44 48	404	971·1	1019·8	+ 1·0	285·3	294·7	29th	276·3	270·3	12th	280·8	280·3	+ 0·6	27	− 2
446	Astrakhan	46 21	48 2	−20	1026·2	1023·7	+ 3·2	276·2	289·2	27th	267·8	260·5	6th	272·0	*271·6*	− 1·8	6	− 5
447	Fort Alexandrovsk	44 31	50 7	−23·0	1024·3	1021·5	+ 1·7	278·2	294·4	30th	271·2	264·3	5th	274·7	*274·4*	− 1·0	4	− 6
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1020·2	1019·6	+ 1·2	285·0	293·1	19th	278·0	273·3	5th	281·5	*281·3*	− 0·3	20	+ 1
449	Kasalinsk	45 46	62 7	66·7	1019·1	1027·7	+ 5·3	..	..	..	265·1	250·3	3rd	..	*269·9*	− 0·2	5	− 8
450	Tashkent	41 20	69 18	478	965·0	1022·3	+ 2·0	286·9	301·1	19th	276·9	271·2	9th	281·9	*281·1*	+ 0·4	55	− 8
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	82	+ 65
452	Alma Ata	43 16	76 53	841	925·5	1027·1	+ 3·8	277·8	291·5	23rd	268·8	257·2	5th	273·3	*272·9*	− 0·4	49	− 6
461	ϕMoukden	41 48	123 23	43·8	1018·4	1024·0	+ 2·9	276·5	287·2	30th	265·5	258·6	13th	271·0	270·9	− 0·9	18	− 1
462	ϕJoshin	40 40	129 11	31·9	1017·4	1021·5	+ 3·5	275·8	282·3	30th	267·7	263·0	2nd	271·7	271·8	− 1·8	14	− 8
463	ϕYuki	42 20	130 24	65·6	1013·2	1021·6	+ 3·8	274·4	282·7	30th	266·0	260·5	1st	270·2	270·1	− 1·4	22	0
464	Vladivostok	43 7	131 54	128	1004·7	1021·3	+ 3·0	271·4	279·0	30th	264·2	255·8	6th	267·8	*267·6*	− 2·6	12	− 4
465	ϕOchiai	47 20	142 47	27·4	1012·6	1016·2	+ 3·4	268·4	275·9	20th	256·6	244·1	1st	262·5	263·1	− 1·9	24	− 6
466	Nemuro	43 20	145 35	26·7	1011·0	1014·5	+ 1·0	271·1	276·7	21st	262·4	254·1	8th	266·8	267·2	− 3·3	27	− 28
466*a*	Syana	45 14	147 53	39·3	1008·2	1013·3	+ 1·0	267·8	276·8	21st	259·0	248·5	2nd	263·4	263·8	− 4·7	21	− 42
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

508	35°—30° N. 145°—140° W.	††31 50	††142 3	§(26)	..	1025·7	+ 2·4	..	..	Sea Temp. 290·2|+1·1	..	..	..	..	289·1	+ 0·6	..	..
511	San Francisco	37 48	122 26	47·2	1009·4	1015·2	− 3·0	289·1	295·2	12th	281·9	279·1	24th	285·5	*284·7*	+ 0·9	50	− 30
512	San Luis Obispo	35 18	120 39	61·3	1008·2	1015·9	− 2·6	290·6	296·9	12th	278·6	273·6	22nd	284·6	*283·5*	− 0·6	103	+ 13
513	San Diego	32 43	117 10	26·5	1011·5	1014·5	− 2·2	290·4	294·7	31st	282·9	280·8	21st	286·7	*286·3*	+ 0·1	61	+ 23
514	Modena	37 48	113 54	1670	827·6	1011·2	− 4·3	279·6	286·3	1st	264·9	260·2	22nd	272·2	*272·2*	− 4·2	72	+ 41
515	Santa Fé	35 41	105 57	2138	779·8	1009·5	− 4·8	279·7	287·4	27th	268·2	260·2	9th	273·9	*274·2*	− 3·2	28	+ 8
516	Denver	39 45	105 0	1613	831·7	1014·5	− 2·6	275·5	288·0	27th	266·1	256·3	9th	270·8	*270·8*	− 6·0	33	+ 9
517	Abilene	32 23	99 40	530	951·8	1013·5	− 2·3	289·4	303·0	27th	276·8	267·4	10th	283·1	*282·5*	− 3·1	55	+ 26
518	Saint Louis	38 38	90 12	173	993·5	1014·5	− 2·9	280·9	295·2	27th	273·8	266·9	10th	277·3	*277·2*	− 2·5	82	− 7
519	Mobile	30 41	88 2	17·4	1012·5	1014·5	− 3·7	290·9	299·7	31st	281·7	272·4	11th	286·3	*286·2*	− 2·1	27	−137
520	Nashville	36 10	86 47	166	994·8	1014·9	− 3·5	283·7	296·3	28th	275·1	268·0	10th	279·4	*279·6*	− 3·3	44	− 86
521	Charleston	32 47	79 56	14·6	1010·9	1012·5	− 5·9	289·3	299·7	30th	281·1	271·9	11th	285·2	*285·2*	− 2·0	93	+ 7
522	Washington	38 54	77 3	34·1	1005·6	1009·8	− 7·9	283·3	297·4	30th	274·5	269·7	15th	278·9	*279·0*	− 0·2	157	+ 60
524	Bermuda	32 17	64 46	46·0	1003·8	1009·3	− 8·2	292·0	294·7	31st	285·7	283·0	17th	288·8	*288·8*	− 1·5	170	+ 48
530	Santa Cruz (Flores)	39 27	31 9	40	997·4	1002·3	−19·9	290·1	292·1	31st	285·0	283·3	13th	287·5	*287·5*	+ 0·5	168	+ 14
531	Horta	38 32	28 38	65	995·8	1003·6	−17·4	290·3	291·9	8th	285·5	282·5	1st	287·9	287·7	+ 0·3	153	+ 64
532	Ponta Delgada	37 44	25 40	22	1002·5	1005·1	−16·1	289·5	291·3	17th, 25th	286·4	283·3	2nd	287·9	287·9	+ 0·8	..	..
532*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	155	+ 63
533	Madeira (Funchal)	32 38	16 55	25	‡1010·5	‡1013·5	− 5·4	291·6	294·2	26th	287·3	282·2	30th	289·4	*289·4*	+ 1·0	252	+165
535	Melilla	38 43	9 9	95	999·3	1010·7	− 5·3	288·4	290·4	7th	284·3	276·6	1st	286·3	286·2	+ 0·8	159	+ 72
535*a*	Gibraltar	35 17	2 59	40	1009·5	1014·3	− 2·3	290·9	297·4	22nd, 26th	284·3	277·4	1st	287·6	*287·8*	+ 0·8	68	+ 6
536	Colomb-Béchar	36 6	5 21	16·2	..	1013·7	− 3·4	288·8	293·0	22nd, 25th	284·9	279·1	4th	286·9	*286·8*	− 0·3	250	+128
536*a*		31 36	2 4	769	924·6	1011·6	..	295·6	302·8	25th	283·0	275·5	2nd	289·3	*288·6*	..	1	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.

†† Mean latitude and longitude of the observations. § Number of observations. ϕ Changes of normals, *see* pages 107 and 108

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1008·9	1011·7	− 3·9	289·3	296·4	25th	279·5	273·0	1st	284·4	..	− 1·3	41	+ 2
538	Algiers (Bouzaréah)	36 47	3 2	344	971·7	1012·3	− 3·2	288·2	294·9	23rd	282·9	277·9	1st	285·6	*285·1*	+ 0·7	65	− 19
538*a*	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1010·2	1012·7	..	290·7	295·8	23rd	282·0	275·8	17th	286·4	*286·0*	+ 0·6	72	+ 23
539*a*	Malta	35 54	14 31	56·4	..	1014·0	+ 0·1	288·9	293·0	26th, 31st	284·0	279·7	1st, 14th	286·5	*285·7*	− 0·4	38	0
540	Riposto	37 41	15 14	14·2	..	1015·9	− 0·4	288·3	292·2	31st	282·0	278·2	14th	285·1	*284·8*	− 1·1	23	− 20
541	Athens	37 58	23 43	107	1001·9	1014·8	+ 0·5	288·2	294·5	31st	280·7	274·3	14th	284·5	284·1	− 0·3	33	0
542	Alexandria	31 12	29 53	32·0	1011·1	1015·0	− 0·4	295·3	306·8	28th	286·7	283·4	16th	291·0	*290·3*	+ 1·2	0	− 14
543	Nicosia (P.W.D.)	35 9	33 22	159	994·3	1013·1	− 1·4	292·2	298·6	28th	280·2	274·7	16th	286·2	..	+ 0·6	23	− 19
544	Beirut	33 54	35 28	33·7	..	1013·4	− 1·5	292·7	300·9	1st	286·1	282·7	2nd, 16th	289·4	*289·1*	+ 0·8	31	− 67
545	Hinaidi	33 17	44 29	32·3	..	1013·3	− 0·8	296·7	302·8	27th	283·4	275·9	6th	290·1	*290·1*	..	24	..
546	Lenkoran	38 46	48 52	−20·0	1022·4	1020·0	+ 1·1	..	286·9	18th	277·6	273·2	10th	..	*280·0*	− 0·4	130	+ 49
547	Tehran	35 41	51 25	1220	..	..	..	289·2	297·2	29th	279·5	272·5	12th	284·3	*284·5*	+ 2·1	59	+ 0
548	Meshed	36 16	59 35	946	881·9	..	..	287·9	299·1	19th	276·0	267·4	1st	281·9	..	+ 1·1	70	+ 15
549	Seistan	31 0	61 30	610	..	..	..	297·1	303·7	19th	283·1	274·1	2nd	290·1	..	..	2	− 11
550	Quetta	30 11	67 3	1677	835·5	..	+ 1·9	293·6	299·8	24th	277·7	270·4	2nd	285·7	*285·9*	+ 2·1	19	− 29
551	Peshawar	34 2	71 37	339	976·3	1016·2	+ 0·8	298·7	304·4	23rd	284·3	278·4	3rd	291·5	*291·1*	+ 1·1	39	− 12
551*a*	Lahore	31 34	74 20	214	988·3	1013·4	+ 0·7	301·6	307·4	25th	286·3	280·3	3rd	293·9	*293·8*	+ 0·2	10	− 12
552	Simla	31 7	77 8	2204	782·9	..	+ 2·1	288·2	291·0	28th	281·7	275·8	2nd	284·9	*285·1*	+ 1·8	35	− 35
552*a*	Leh	34 10	77 42	3503	668·1	..	+ 3·3	279·6	286·8	26th	267·7	261·2	4th	273·6	*272·9*	+ 0·3	12	+ 5
559	ϕHankow	30 35	114 17	37·0	1019·5	1024·1	+ 2·5	285·7	296·8	21st	278·4	273·7	14th	282·1	*282·0*	− 1·2	78	− 14
560	ϕTientsin	39 10	117 10	5·0	1023·9	1024·5	+ 2·3	282·9	295·6	30th	271·9	266·6	2nd	277·4	*277·2*	− 0·5	3	− 5
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1024·6	+ 3·4	284·6	293·5	23rd	276·1	270·2	14th	280·3	279·5	− 1·3	63	− 24
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1015·3	1023·9	+ 3·3	278·0	290·2	31st	270·3	265·7	2nd	274·1	273·7	− 2·1	16	− 15
562*a*	Nagasaki	32 44	129 52	133	1004·8	1021·1	+ 2·2	284·0	293·0	31st	276·1	272·0	14th, 15th	280·1	279·7	− 2·4	55	− 17
563	Kyoto	35 1	135 44	42·9	1014·6	1020·0	+ 2·2	283·5	292·4	31st	272·1	268·5	8th, 20th	277·8	277·0	− 2·2	31	− 52
564	Tokyo	35 41	139 46	5·8	1016·5	1017·2	+ 0·8	283·1	289·7	23rd	273·0	268·7	8th, 15th	278·1	278·0	− 1·9	64	− 46
565	Kanayama	37 53	140 46	24·6	1014·2	1017·3	+ 1·1	279·6	286·3	31st	269·9	263·4	18th	274·7	274·4	− 2·3	53	− 40
566	Miyako	39 38	141 59	30·4	1012·6	1016·5	+ 0·9	279·5	285·8	24th	268·2	263·3	2nd, 8th	273·9	272·8	− 2·8	46	− 47

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·6	− 1·1	297·2	300·2	6th	288·2	283·0	26th	292·7	*292·1*	..	66	..
605	Honolulu	21 19	157 52	11·6	1016·7	1018·0	+ 0·7	297·5	299·7	..	292·6	290·2	..	295·1	*294·8*	+ 0·3	33	− 61
614	La Paz	24 10	110 20	12	1011·5	1012·9	..	296·5	302·4	26th	287·2	283·2	20th	291·8	*291·2*	..	1	..
615	Chihuahua	28 38	106 4	1423	854·6	1008·6	..	294·7	301·0	24th	278·7	273·5	20th	286·7	*287·9*	− 1·6	0	− 7
616	Leon	21 7	101 41	1809	820·1	1008·7	− 1·1	301·5	305·8	24th	279·4	275·4	20th	290·4	*291·5*	+ 0·2	0	− 11
616*a*	Monterry	25 40	100 18	528	950·8	1011·1	− 2·5	297·9	309·2	28th	285·7	276·4	11th	291·8	*290·5*	+ 1·8	4	− 2
617	Tulancingo	20 5	98 22	2181	787·3	1009·7	..	300·2	303·4	22nd	281·6	275·2	21st	290·9	*289·7*	+ 1·6	0	− 2
618	Galveston	29 18	94 50	16·5	1012·7	1014·9	− 2·5	290·7	298·6	30th	285·1	275·8	10th	287·9	*287·6*	− 1·9	36	− 35
618*a*	New Orleans	29 57	90 4	16·2	..	1014·5	− 2·7	292·6	301·9	31st	283·1	276·3	15th	287·8	*287·7*	− 2·2	61	− 54
619	Merida, Yuc.	20 58	89 38	22	1009·5	1012·0	− 3·5	304·2	309·6	29th	292·8	287·6	3rd	298·5	*297·7*	− 0·2	5	− 27
620	Havana	23 8	82 21	24·3	..	1014·7	− 2·6	299·6	304·4	31st	291·9	286·8	13th	295·8	*295·3*	− 0·7	41	− 2
620*a*	Key West	24 33	81 48	6·7	1013·8	1014·5	− 3·3	296·9	301·9	19th	290·8	285·8	13th	293·9	*293·5*	− 1·8	25	− 2
621	Nassau, Bahamas	25 5	77 21	7·3	..	1015·4	− 2·8	297·7	..	..	291·6	..	..	294·7	*294·5*	− 1·1	6	− 35
622	Watling Island	24 6	74 26	33·5	..	1013·9	− 2·9	..	299	18th	..	290	11th	..	*294·2*	..	..	..
633	Port Etienne	20 56	17 3	4	1014·3	1014·8	..	301·5	312·0	25th	288·6	285·5	4th	295·1	*293·0*	..	0	..
634*m*	Izaña	28 19	16 30	2367	765·3	..	..	283·3	292·4	24th, 25th	275·0	267·4	31st	279·2	*278·9*	+ 2·2	24	..
634	La Laguna	28 28	16 20	547	951·3	1014·8	− 1·8	292·2	298·8	25th	282·8	278·2	3rd	287·5	*286·9*	+ 0·9	100	+ 49
636	Adrar	27 36	W 0 4	168	..	..	..	304·7	312·0	26th	284·7	274·5	1st	294·7	*296·7*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	−23	1017·0	1014·3	..	297·0	308·0	16th	280·0	276·0	3, 5, 8	288·5	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	1000·6	1014·0	− 1·2	297·2	308·4	29th	285·2	280·4	4th	291·2	*290·8*	+ 0·7	19	+ 13
643*a*	Aswan	24 2	32 53	99·6	1000·4	1011·9	− 1·9	306·0	312·8	17th	287·5	282·0	19th	296·8	*296·1*	+ 2·2	..	..
644	Tor	28 14	33 37	1·9	1012·6	1012·8	− 0·9	297·1	305·4	31st	286·1	281·2	19th	291·6	*291·8*	+ 0·7	0	..
647	Bushire	28 59	50 53	4·3	1012·0	1012·6	− 2·1	299·2	307·7	20th	290·4	283·6	6th	294·8	*294·2*	+ 3·2	1	− 20
648	Jask	25 44	57 47	4·0	1012·7	1013·1	− 0·6	303·0	306·1	27th	294·3	291·4	1st	298·7	*298·1*	+ 2·9	0	− 20
649	Karachi	24 53	66 57	4·0	1012·4	1012·8	− 0·3	302·9	308·3	17th	294·2	290·0	4th	298·6	*298·0*	+ 2·1	0	− 8
650	Jacobabad	28 17	68 29	56·7	1006·6	1013·3	+ 0·9	308·0	312·9	24th	290·2	281·3	2nd	299·1	*298·6*	+ 2·1	2	− 8
651	Jaipur	26 56	75 52	436	964·4	1013·6	+ 0·9	307·3	312·2	26th	289·4	283·0	5th	298·4	*298·2*	+ 1·4	0	− 8
652	Nagpur	21 8	79 5	310	978·1	1012·6	+ 0·9	310·3	313·8	27th	294·1	289·1	8th	302·2	*301·8*	+ 1·2	4	− 8
653	Allahabad	25 25	81 51	94·2	1002·0	1012·3	+ 0·9	309·2	314·4	27th	290·8	285·2	5th	300·0	*299·6*	+ 2·1	0	− 8
653*a*	Darjeeling	27 3	88 18	2265	777·7	..	+ 2·1	289·3	292·5	31st	281·3	277·4	16th	285·3	*285·5*	+ 2·8	13	− 31
654	Calcutta	22 36	88 23	6·4	1011·0	1011·8	+ 0·1	309·3	312·1	27th	294·6	289·0	6th	301·9	*301·6*	+ 2·3	0	− 30
655	Gauhati	26 8	91 41	59·7	1005·2	1012·3	− 0·8	306·2	308·7	27th	289·0	285·9	5th	297·6	*296·7*	+ 2·2	1	− 5
655*m*	Cherrapunji	25 15	91 42	1313	869·9	..	+ 0·5	296·7	299·3	27th	288·2	284·9	13th	292·5	*291·8*	+ 3·4	8	− 23
655*a*	Akyab	20 11	92 56	6·1	1011·4	1012·0	− 0·4	305·4	308·1	5th	292·8	289·0	7th	299·1	*299·2*	+ 0·3	0	− 1
656	Mandalay	21 59	96 0	76·2	1003·0	1011·7	0·0	311·2	314·1	29th	293·5	288·6	1st	302·3	*301·9*	+ 1·0	0	− 1
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·2	298·0	21st	277·9	274·7	1st	287·1	*286·7*	+ 1·0	0	− 5
657	Phu Lien	20 48	106 38	116	1002·0	1015·6	+ 1·4	294·4	299·3	12th	289·9	284·3	14th	292·1	291·8	− 0·2	23	− 20
658	Moncay	21 31	107 51	9·0	1015·5	1016·5	+ 1·7	293·7	299·9	31st	289·1	283·7	15th	291·4	*291·0*	− 0·5	60	− 61
659	Hongkong	22 18	114 10	33·2	..	1017·6	+ 1·7	292·4	297·1	30th	288·1	284·2	14th	290·3	289·9	− 0·3	5	− 54
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1018·5	1019·6	+ 2·0	293·3	300·8	28th	286·6	280·7	21st	290·0	289·5	− 0·5	52	− 11
661*a*	Basco	20 28	121 59	18·7	..	1013·9	+ 0·7	..	..	..	294·4	291·7	14th	..	*296·4*	− 0·6	213	+ 25
662	Naha	26 13	127 41	10·5	1018·0	1019·3	+ 1·9	292·9	298·0	9th	286·1	281·9	22nd	289·5	289·7	− 1·2	180	+ 2
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1016·4	1016·9	+ 0·1	293·6	297·1	10th	287·5	282·0	9th	290·5	290·6	− 0·7	114	+ 4
		N. ° ,	E. ° ,	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *‡	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	956·2	1012·2	..	304·7	308·3	26th	287·6	284·3	6th	296·1	*295·0*	− 0·7	0	..
716	Morelia	19 42	101 7	1923	..	..	..	298·1	301·9	24th	283·2	280·2	1st	290·6	*290·5*	+ 0·3	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	772·7	..	− 1·8	300·9	303·3	23rd	279·8	276·8	1st	290·3	290·1	+ 1·8	0	− 10
718	Salina Cruz	16 12	95 12	56	1004·0	1010·4	− 2·5	301·3	306·3	25th	296·0	292·2	21st	298·6	*298·6*	− 0·7	0	− 15
719	San Salvador	13 42	89 12	682	936·7	1012·1	− 0·3	306·5	308·6	10th	289·6	285·8	3rd	298·1	*296·3*	− 0·4	6	− 7
720	Belize	17 29	88 12	5·2	1011·6	1012·2	− 2·9	301·7	304·7	18th	296·0	289·9	11th	298·8	*298·4*	− 0·2	2	− 31
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1013·0	− 1·6	302·1	304·4	29th	294·2	290·7	14th	298·1	*297·9*	+ 0·5	50	− 16
722	Port au Prince	18 33	72 20	37·4	1009·6	1013·9	− 1·7	303·7	306·8	20th	294·5	290·5	13th	299·1	*298·8*	+ 0·4	55	− 39
723	Caracas	10 30	66 56	1042	899·0	1013·3	− 0·1	301·1	303·8	21st	287·6	284·8	6th	294·3	*292·4*	+ 0·6	0	− 15
723*a*	Montserrat	16 41	62 9	36·6	?1010·2	?1014·5	− 1·9	303·5	305·2	14th, 16th	294·5	291·3	10th	299·0	*298·4*	+ 0·7	10	− 93
724	San Juan, Porto Rico	18 29	66 7	25·0	1012·1	1015·2	− 1·4	300·9	304·7	15th	294·3	291·9	26th	297·6	*297·5*	+ 0·6	12	− 68
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡ 995·3	‡1013·2	− 0·3	302·0	303·6	24th	295·7	294·7	2, 5, 31	298·9	*298·4*	+ 0·5	10	− 59
725	ϕBarbados	13 8	59 36	55·2	..	1014·1	− 0·4	302·4	304·1	24th	..	..	..	..	*298·2*	+ 0·8	2	− 47
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1011·9	1013·2	− 1·4	298·1	301·5	25th	291·6	290·0	1st	294·8	*295·8*	+ 1·4	0	− 1
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	300·2	305·6	27th	294·5	292·9	4th, 7th	297·3	*297·3*	+ 1·9	0	− 2
733	Dakar	14 40	17 26	32	1007·3	1011·0	..	301·3	312·9	22nd	290·6	288·0	3rd	295·9	*295·1*	+ 0·8	0	− 1
734	Bathurst	13 27	16 34	1·8	1013·8	1014·0	+ 0·5	303·9	313·6	23rd	291·6	288·6	5th	297·7	*297·3*	+ 0·4	0	0
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	315·8	..	..	291·3	..	..	..	..	0	0
735	Niénébalé	12 57	7 26	300	..	..	..	312·5	314·4	28th	292·8	287·4	26th	302·7	*299·9*	..	0	0
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	1	..
737	Sokoto	13 2	E 5 14	353	..	..	..	314·7	316·9	6th, 17th	295·4	290·2	1st, 13th	305·1	*304·9*	+ 1·9	0	− 3
738	ϕKaduna Capital	13 32	7 25	637	942·4	1012·9	− 0·8	309·2	310·8	6, 19, 23	..	..	..	..	‡*300·7*	+ 1·0	7	+ 2
739	Hadeija	12 40	10 5	?	..	..	..	314·0	316·9	18th, 23rd	290·8	285·8	13th	302·4	*302·1*	+ 0·8	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	314·9	318·6	6th	294·1	290·8	12th, 27th	304·5	*304·2*	+ 1·9	0	0
741	El Fasher	13 32	25 18	730	..	..	..	309·4	312·9	17th	291·5	282·1	4th	300·4	*299·6*	..	0	..
743	El Obeid	13 11	30 14	569	944·4	1006·6	− 3·1	310·2	313·8	23rd	292·7	283·9	4th	301·4	*301·0*	+ 3·6	1	− 1
743*a*	Khartoum	15 37	32 33	390	963·9	1006·8	− 2·4	310·2	315·5	21st	294·2	287·9	4th	302·2	*302·4*	+ 2·2	1	+ 1
744	Port Sudan	19 37	37 13	5·5	1000·6	1010·3	− 1·7	302·7	306·5	31st	294·4	289·2	6th	298·6	*298·1*	+ 1·4	0	− 2
745	Berbera, Somaliland	10 22	45 2	9·5	1011·8	1012·8	..	303·4	305·2	4th, 10th	295·7	293·0	2nd	299·5	*299·0*	+ 0·3	0	− 23
746	Aden	12 45	45 3	28·7	1009·8	1013·0	− 0·3	302·8	304·4	31st	296·8	294·3	19th	299·8	*299·1*	+ 0·4	0	− 12
751	Bombay	18 54	72 49	11·3	1010·7	1012·0	− 0·8	304·8	307·7	5th	297·3	294·6	2nd	301·1	300·3	+ 1·7	0	− 2
752	Kodaikanal	10 14	77 28	2343	771·8	..	− 0·4	294·3	298·3	30th	282·4	280·9	6th, 11th	288·3	*287·4*	+ 0·2	44	− 8
752*a*	Bangalore	12 59	77 38	921	911·9	1011·8	+ 0·1	307·1	309·0	28th	290·8	286·2	4th	298·9	*298·4*	+ 0·6	2	− 11
753	Madras	13 4	80 14	6·7	1012·0	1012·8	+ 0·3	305·6	307·9	8th	294·9	290·9	2nd	300·3	*299·4*	+ 0·1	3	− 2
754	Vizagapatam	17 42	83 19	11·6	1011·2	1012·8	+ 0·2	305·2	308·2	11th	296·4	292·6	4th	300·8	*299·9*	0·0	0	− 8
755	Port Blair	11 40	92 40	18·0	1009·5	1011·5	− 0·7	304·5	306·7	31st	298·6	295·9	1st	301·5	*300·6*	+ 0·2	15	− 4
756	Rangoon	16 46	95 48	5·5	1011·6	1012·3	0·0	308·5	311·4	31st	296·7	292·8	1st	302·6	*301·1*	+ 0·9	0	− 8
757	Saigon (Cap St. Jacques)	10 20	107 5	180	990·0	1010·6	+ 0·3	301·3	303·4	31st	296·7	295·4	1st	299·0	*298·6*	− 0·6	2	− 3
758	Nhatrang	12 15	109 12	3·6	1012·2	1012·6	+ 0·5	302·5	304·3	3rd	295·2	293·8	6th	298·8	*298·3*	− 0·1	157	+ 95
759	Bolinao	16 23	119 53	7·1	..	1011·5	+ 0·7	306·2	308·5	15, 16, 31	294·4	?290·7	7th	300·3	*300·1*	− 0·1	0	− 15
761	Vigan	17 34	120 23	12·2	..	1011·4	0·0	304·2	306·3	14th	296·4	294·6	1st	300·3	300·1	+ 0·3	1	− 7
761*a*	Manila	14 35	120 59	14·2	..	1011·6	+ 0·3	305·7	307·6	30th, 31st	294·6	291·2	6th	300·1	299·5	− 0·1	15	− 6
762	Ormoc	11 0	124 36	5·6	..	1010·2	+ 0·2	305·4	307·6	30th	294·7	292·3	5th	300·1	*299·7*	+ 1·0	50	− 49
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1010·5	+ 0·6	302·9	304·7	26th	297·1	295·8	26th	300·0	*299·7*	+ 0·1	15	− 65

Between Latitude 10° N. and 0°.

MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·9	1011·6	..	303·7	305·3	25th	298·1	296·7	26th	300·9	*300·5*	+ 0·3	226	− 94
821	Colon	9 23	79 23	11·0	..	1011·2	− 1·0	303·4	306·3	21st	297·8	295·8	18th	300·6	*300·2*	+ 0·8	18	− 22
822	Bogota	4 36	74 5	2645	745·0	..	..	293·5	296·5	20th	282·9	281·4	20th	288·2	*287·5*	..	55	− 48
822*a*	Merida, Venez	8 36	71 9	1641	‡840·5	..	− 1·3	299·1	301·0	8th, 20th	288·9	287·5	2nd, 25th	294·0	*292·9*	+ 1·8	13	− 80
823	Ciudad Bolivar	8 9	63 33	38	1006·3	1010·6	..	307·5	309·2	24th	296·1	294·5	19th	301·8	*301·1*	..	0	− 5
825	El Peru, Guayanavieja	7 19	61 49	220	986·0	1010·9	− 0·1	304·4	306·3	26th, 30th	293·3	291·4	19th	298·8	*298·1*	+ 0·7	0	− 49
825*a*	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·5	− 0·3	303·1	304·1	22nd, 23rd	297·5	293·8	18th	300·3	*300·2*	+ 0·7	7	−168
826	Paramaribo	5 49	55 9	3·7	‡1012·1	‡1012·5	− 0·4	304·2	305·3	25th	293·9	290·8	18th	299·1	*299·7*	+ 1·2	40	−168
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·0	303·0	22nd	297·0	296·0	29th	299·5	*298·4*	0·0	7	−395
831	10°—5° N. 30°—25° W.	†† 7	†† 27	5	§(124-137)	..	1012·4	+ 0·5	..	..	Sea Temp. 298·3	− 0·4	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1007·8	1009·6	− 0·5	..	..	..	..	..	..	..	..	298·2	− 0·3	..
834	Freetown, Sierra Leone	8 29	13 14	68·3	1002·7	1010·4	− 0·3	305·6	307·4	3rd	296·8	295·2	21st	301·2	*300·1*	+ 0·2	24	− 5
835	Assuantsi	5 18	1 15	101	..	..	..	305·7	307·4	15, 18, 31	294·6	293·6	12, 18, 31	300·2	*299·5*	..	86	− 14
836	Accra	5 33	W 0 12	27·0	1005·8	1008·8	..	304·9	306·3	23rd	296·1	295·2	sev. dates	300·5	*299·9*	+ 0·1	52	+ 4
837	Lagos	6 27	E 3 24	4·6	1007·5	1008·0	− 0·9	305·6	306·9	8th	298·7	295·2	16th	302·1	*301·5*	+ 0·5	134	+ 39
838	Zungeru	9 48	6 10	130	..	..	..	312·2	314·1	1, 18, 22	297·4	293·0	12th	304·8	*304·5*	+ 1·5	7	− 7
839	Yola	9 12	12 30	259	..	..	..	312·6	314·7	16

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1009·3	1010·3	+ 0·8	303·2	304·1	16th	298·1	296·3	27th	300·7	*300·0*	− 0·5	46	− 74
924	ϕManaos	3 8	60 1	43·8	1003·4	1008·5	..	304·7	307·6	11th	296·5	295·0	15th, 24th	300·6	*299·6*	+ 0·6	192	− 69
926	Taperinha	2 30	54 20	20·0	1008·4	1010·6	− 0·6	303·0	305·2	18th	296·0	295·0	31st	299·5	*298·7*	+ 0·9	462	+160
927	Turyassu	1 43	45 26	9·1	1008·6	1009·8	− 1·0	302·4	306·2	28th	295·0	293·5	23rd	298·7	*298·2*	− 0·2	594	+168
928	Barra do Corda	5 30	45 16	81·0	999·4	1008·7	− 1·1	303·3	305·6	28th	294·5	293·4	1st	298·9	*298·4*	+ 0·4	315	+140
929	Quixeramobim	5 16	39 15	207	987·8	1011·3	− 0·2	301·7	303·0	21st	296·5	295·0	23rd, 24th	299·1	*299·3*	− 0·7	359	+213
930	Fernando Noronha	3 50	32 25	106	998·4	1010·2	− 1·3	301·2	303·0	27th	297·3	295·4	12th	299·2	*299·2*	+ 0·1	342	+140
930*a*	5°—10° S. 35°—30° W.	††7 19	††32 55	§(72-80)	..	1009·7	..	..	..	Sea Temp. 301·1	+0·7	..	..	..	301·0	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 51	††31 31	§(36-45)	..	1008·2	..	..	..	301·0	+0·7	..	..	..	300·7	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1009·3	1011·2	− 1·6	304·1	305·2	sev. dates.	298·1	296·9	26, 28, 31	301·1	*300·3*	+ 0·5	90	+ 74
939	ϕLoanda	8 49	E 13 13	51	..	1009·3	− 0·9	303·4	305·1	23rd	297·2	295·4	19th	300·3	299·1	0·0	96	+ 31
940	Brazzaville	4 17	15 16	321	975·4	1011·3	+ 0·4	306·3	310·0	6th	294·5	292·0	5th	300·4	*299·6*	+ 0·6	370	+223
943	ϕMasaka	0 21	31 47	?1280	..	..	..	305·1	305·8	13, 18, 23	..	..	..	..	*292·9*	− 0·2	98	− 4
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	85	− 67
944*a*	Zanzibar	6 10	39 11	21·9	1010·6	1013·1	+ 0·2	303·4	304·7	31st	299·4	297·4	11th	301·4	*300·8*	0·0	143	− 11
945	Lamu	2 16	40 50	3·0	..	..	..	303·6	305·2	31st	299·6	298·0	9, 11, 28	301·6	*301·2*	+ 0·7	8	− 11
947	Seychelles, Port Office	4 37	55 27	4·6	1010·3	1011·0	+ 0·3	302·5	303·6	17th	298·7	297·1	25th	300·6	*300·0*	+ 0·3	362	+132
957	Padang	0 56	100 22	6·7	..	1010·0	− 0·6	..	..	..	..	..	..	..	..	..	235	− 60
958	Batavia	6 11	106 50	8·0	1008·7	1009·6	− 0·2	303·5	304·6	4th, 10th	297·0	296·1	9th	300·3	299·5	+ 0·5	205	+ 7
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	0·0	..	..	..	..	..	..	..	..	..	336	+ 88
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	104	−105
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	335	−116
962	Amboina	3 42	128 10	4·2	..	1008·9	− 0·3	..	..	..	..	..	..	..	..	..	237	+104
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	327	− 23
965	ϕDaru	9 4	143 13	7·6	..	1009·2	− 0·4	303·4	..	..	297·9	..	..	300·6	*300·2*	+ 0·7	471	+144
966	Port Moresby	9 29	147 9	39·0	..	1009·4	+ 0·2	304·6	..	..	298·1	..	..	301·3	*300·8*	+ 0·7	63	−115
967	Rabaul	4 9	152 12	20·7	..	1008·3	..	304·9	307·7	27th	295·0	294·1	sev. dates	300·0	*299·4*	− 0·2	155	−109
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1008·1	1008·3	+ 0·3	304·4	305·4	23rd	297·5	296·3	18th	300·9	*300·6*	+ 0·2	293	−101
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·3	304·1	25th, 31st	297·1	294·7	2nd	300·2	*299·6*	− 0·6	108	−112
		S.	E.															

MARCH—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+ 1·2	303·3	305·1	15th, 17th	297·2	295·7	5th	300·3	299·9	+ 0·7	256	− 99
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	304·6	308·6	16, 21, 25	295·8	286·3	8th	300·2	*299·9*	+ 0·3	433	+145
1021	Arequipa	16 22	71 33	2452	761·2	..	+ 0·5	293·5	295·2	20th	283·0	278·6	3rd	288·3	*287·8*	+ 0·7	6	− 9
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	283·7	282·0	sev. dates	..	*293·8*	..	0	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	995·0	1008·0	− 0·9	305·6	308·6	9th	295·5	291·4	25th	300·6	*299·7*	+ 0·5	201	+ 70
1026	Cuyaba	15 36	56 6	165	989·8	1008·5	− 0·8	305·3	308·9	8th	295·7	294·5	28th	300·5	*299·0*	+ 0·4	183	− 25
1027	Bello Horizonte	19 55	43 57	895	913·4	1011·8	− 0·7	301·7	305·5	1st	291·5	289·6	sev. dates	296·6	*295·4*	+ 0·6	96	− 90
1028	Caetite	14 3	42 37	897	914·8	1014·1	+ 0·3	299·8	302·4	4th	291·8	290·3	4th	295·8	*294·8*	− 1·4	272	+170
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·2	1010·5	− 1·7	302·5	305·5	6th	296·9	295·0	30th	299·7	*299·6*	+ 0·7	383	+232
1030	Aracaju	10 55	37 3	6·1	1011·6	1012·4	− 0·7	303·4	305·7	7th	296·8	294·9	12th, 28th	300·1	*300·1*	− 0·1	257	+161
1030*a*	15°—20° S. 40°—35° W.	††17 28	††37 51	§(75-83)	..	1011·4	..	..	..	Sea Temp. 300·3	+0·2	..	..	..	300·5	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††13 15	††36 17	§(59-66)	..	1011·6	..	..	..	301·1	+0·9	..	..	..	300·9	..	..	..
1035	St. Helena	15 57	W 5 40	604	945·7	1014·0	+ 1·3	298·1	300·5	1st	287·7	286·3	1, 3, 14	292·9	*292·8*	+ 0·6	176	+ 51
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	304·3	23rd	..	293·0	29th	..	*298·0*	..	14	..
1041	Livingstone	17 51	25 51	972	904·9	1009·7	..	304·2	309·1	1st, 21st	292·1	290·3	20th	298·1	..	..	160	..
1041*a*	Elisabethville	11 39	27 28	1236	876·7	1008·3	− 0·3	302·7	305·1	3rd	289·5	287·7	10th	296·1	..	+ 1·1	185	− 35
1042	Gwelo	19 28	29 48	1417	862·0	1012·3	+ 0·4	301·1	306·3	20th, 23rd	288·7	285·2	31st	294·9	..	+ 1·9	90	+ 19
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	853·1	1008·5	− 0·5	300·3	303·3	27th	288·5	285·8	19th	294·4	293·3	+ 1·3	87	− 27
1044	Zomba	15 23	35 18	955	906·4	1011·0	+ 0·5	300·7	303·6	21st	289·1	6, 7, 31		296·1	*295·1*	+ 1·3	145	− 88
1044*a*	Mossuril	14 57	40 40	15	..	1011·6	..	304·7	306·7	5th	296·4	295·1	12th, 23rd	300·5	300·3	..	117	..
1045	Antananarivo	18 55	47 33	1375	864·6	1011·4	+ 1·6	300·1	302·3	27th	288·2	285·5	25th	294·2	293·5	+ 0·8	63	−122
1046	Tamatave	18 10	49 24	5	..	..	..	301·6	303·0	..	295·3	289·5	..	298·5	*298·1*	..	757	..
1047	Vohémar	13 21	50 1	3	..	..	..	305·6	308·5	..	296·3	295·0	..	300·9	*300·3*	..	215	..
1048	Antalaha	14 58	50 19	3	..	1009·7	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1012·2	1012·9	+ 1·1	303·3	304·8	6th	299·0	297·7	26th	301·1	*300·7*	+ 0·5	207	− 30
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	+ 0·3	304·6	306·3	5th, 6th	297·3	295·8	9th	300·9	*300·2*	+ 0·2	272	+ 6
1061	Kupang	10 10	123 34	45·1	..	1009·9	+ 0·5	304·9	306·7	27th	296·3	294·4	12th	300·6	300·0	+ 0·6	55	−167
1061*a*	Derby	17 18	123 40	16·2	1007·1	1009·2	+ 0·5	309·7	313·6	7th	299·9	296·6	10th	304·8	..	+ 1·7	0	−109
1062	Hall's Creek	18 13	127 46	373	968·2	1009·1	+ 0·2	309·9	312·4	4th	292·3	287·0	11th	301·1	*300·7*	− 0·1	0	− 67
1063	Darwin	12 28	130 51	29·6	1004·9	1008·2	+ 0·7	306·6	309·3	18th	298·1	294·7	2nd	302·3	*301·2*	+ 0·4	250	− 25
1064	Daly Waters	16 16	133 23	211	983·4	1006·9	− 0·5	307·8	310·2	30th, 31st	293·7	290·2	16th	300·8	*300·4*	− 1·0	93	− 72
1065	Mein	13 13	142 47	122	993·2	1007·1	+ 0·1	304·0	307·0	15th	295·5	293·6	24th, 28th	299·7	*299·1*	− 0·2	156	+ 41
1066	ϕGeorgetown, Queensland	18 22	143 32	302	976·0	1009·8	+ 0·6	304·2	308·6	31st	293·6	288·0	25th	298·9	..	− 1·0	177	..
1066*a*	Willis Island	16 18	149 59	8·5	1007·9	1008·9	..	302·6	304·7	9th	298·6	296·5	20th	300·6	*300·3*	..	187	..
1067	Samarai	10 37	150 40	15·2	..	1009·0	+ 1·1	304·2	..	..	297·0	..	..	300·6	*300·3*	+ 0·2	234	− 68
1072	ϕSuva, Fiji	18 8	178 26	6·1	1008·4	1009·1	− 0·8	303·0	307·0	18th	296·4	294·4	10th	299·7	*299·4*	0·0	349	− 19
		S.	E.															

*For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	301·3	303·6	29th	295·4	292·4	6th, 7th	298·3	*298·0*	− 0·4	416	+131
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·0	1015·2	+ 0·5	292·1	296·0	11th	287·4	283·8	23rd	289·7	*289·5*	+ 0·2	0	− 1
1123	Catamarca	28 27	65 47	510	951·1	1007·7	− 1·5	305·1	311·7	4th	290·9	279·7	24th	298·0	*298·0*	+ 1·3	1	− 47
1124	Salta	24 46	65 28	1178	881·7	1009·6	− 0·2	299·0	306·0	5th	288·2	284·0	19th	293·6	*293·4*	+ 0·5	94	− 9
1125	Goya	29 9	59 15	26	1007·3	1010·3	+ 0·1	303·7	311·5	12th	290·8	284·6	25th	297·2	*296·5*	− 0·2	243	+102
1126	ϕAsuncion	25 17	57 41	93	999·6	1010·2	− 0·4	307·6	312·8	11th	293·1	284·2	25th	300·4	*299·2*	+ 0·6	85	− 49
1127	Curityba	25 25	49 17	908	912·6	1012·7	− 0·8	299·7	302·6	23rd	288·2	283·4	20th	294·0	*292·8*	+ 0·7	105	− 9
1128	Rio de Janeiro	22 54	43 10	18·3	1010·2	1012·4	− 0·4	302·0	306·6	31st	295·7	293·6	16th, 17th	298·8	298·4	+ 0·4	35	−100
1128*a*	25°—30° S. 50°—45° W.	††27 28	††47 39	§(68-101)	..	1012·3	..	..	..	Sea Temp. 297·9	+0·3	..	..	..	..	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 47	††42 3	§(55-67)	..	1011·4	..	..	..	298·8	+0·6	..	..	..	298·9	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	300·9	304·5	1st	290·0	286·2	28th	295·4	*295·4*	+ 1·3	98	+ 13
1141*a*	ϕJohannesburg	26 11	28 4	1806	823·7	1014·7	+ 0·5	293·8	300·9	23rd	286·0	278·9	31st	289·9	*289·4*	− 0·5	159	+ 46
1142	Bulawayo	20 9	28 35	1340	868·1	1011·5	+ 0·1	298·8	304·6	26th	289·7	285·6	31st	294·2	*293·6*	+ 0·7	75	− 5
1143	Durban	29 52	31 3	15·2	1015·3	1017·1	− 0·1	298·8	302·1	6th	293·3	288·9	10th	296·1	*295·5*	− 0·5	52	− 84
1144	Lourenço Marques	25 58	32 36	59	..	1015·1	+ 0·1	301·7	307·8	19th	294·0	290·4	31st	297·9	297·2	− 0·3	175	+ 69
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	292·5	290·5	..	..	..	..	..	..
1146	Fort Dauphin	25 2	46 58	25	..	1010·5	..	299·5	303·0	..	287·7	284·0	..	293·6	*292·8*	..	185	..
1147	Mauritius	20 6	57 33	55·2	1007·2	1013·5	+ 1·5	301·2	302·6	1st, 22nd	295·4	292·1	19th	298·3	297·8	− 0·5	272	+ 34
1159	Onslow	21 43	114 57	4·3	1007·9	1008·9	+ 0·6	308·6	313·7	11th	294·3	290·7	13th, 19th	301·4	..	− 0·8	0	− 24
1160	Cue	27 27	117 52	454	961·4	1011·8	+ 1·0	306·6	314·6	1st	292·6	286·7	31st	299·6	..	− 0·3	27	+ 2
1161	ϕNullagine	21 53	120 5	386	966·3	1008·4	− 0·1	311·4	315·1	1, 2, 3	293·7	286·3	12th	302·6	..	+ 0·5	2	− 56
1162	ϕLaverton	28 40	122 23	466	962·8	1015·2	+ 1·7	303·4	312·1	23rd	289·8	284·7	5th	296·6	*296·5*	− 0·8	39	+ 6
1163	Alice Springs	23 38	133 37	587	946·1	1010·0	0·0	306·8	312·4	4th	289·2	284·1	11th, 12th	298·0	*298·3*	+ 0·2	0	− 30
1164	ϕWilliam Creek	28 55	136 21	76·2	1004·9	1013·8	− 0·2	305·9	312·4	2nd	290·3	284·1	28th	298·1	*297·9*	+ 0·4	0	− 17
1164*a*	ϕBoulia	22 55	139 38	146	993·1	1009·5	+ 0·8	308·2	312·1	26th	294·5	289·6	29th	301·3	*301·6*	+ 0·5	0	− 45
1165	Thargomindah	27 58	143 43	123	997·8	1011·8	+ 0·1	306·2	310·9	4th	292·9	285·4	29th	299·6	*299·4*	+ 0·4	0	− 20
1166	Mitchell	26 32	147 52	336	975·1	1012·6	+ 0·1	302·4	307·2	27th	288·2	280·5	30th	295·3	..	− 0·8	130	+ 49
1167	Rockhampton	23 24	150 30	11·3	1010·5	1012·0	+ 0·2	303·8	306·7	31st	294·4	291·3	28th	299·1	*298·5*	+ 0·3	135	+ 6
1168	Brisbane	27 28	153 2	41·8	1010·1	1014·5	0·0	301·3	305·5	18th	291·8	287·9	31st	296·6	*295·9*	+ 0·1	88	− 59
1170	Norfolk Island	29 4	167 59	15·2	1012·2	1014·2	0·0	298·7	301·9	..	292·1	290·2	..	295·4	*294·9*	+ 0·6	87	− 12
		S.	E.															

Between Latitude 30° S. and 40° S.

MARCH—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	976·7	1017·0	..	292·4	296·6	17th	286·5	283·0	22nd	289·5	*289·1*	..	65	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1001·6	1016·0	+ 1·1	290·3	293·2	15th	283·1	280·0	sev. dates	286·7	*287·2*	− 0·8	18	− 2
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1010·3	1015·2	+ 0·2	294·4	300·0	6th	285·2	283·0	23rd	289·8	*289·3*	− 0·7	8	− 1
1223	Santiago	33 27	70 42	520	954·2	1013·9	+ 0·4	299·2	305·3	6th	282·8	277·4	24th	291·0	*289·7*	+ 0·1	13	+ 8
1224	Cordoba	31 25	64 12	423	962·7	1010·8	− 1·0	302·4	309·2	21st	286·9	278·1	24th	294·7	293·9	+ 0·6	56	− 32
1225	Bahia Blanca	38 45	62 15	25	1008·4	1011·4	− 1·8	297·5	305·3	11th	286·2	278·0	27th	291·8	*291·4*	− 1·0	96	+ 29
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1010·3	1013·2	− 0·8	298·5	303·5	8th	288·7	282·3	11th	293·6	293·8	+ 0·4	102	− 9
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1013·1	− 1·4	..	301·4	4th	..	285·5	11th	..	*293·7*	+ 0·3	59	− 25
1226*b*	ϕPorto Alegre	30 2	51 13	23·5	1009·6	1012·3	− 2·2	300·8	308·2	12th	290·8	285·3	25th	295·8	295·5	− 0·3	104	+ 11
1226*b*	30°—35° S. 55°—50° W.	††32 40	††51 52	§(71-103)	..	1014·7	..	..	..	Sea Temp. 294·9	−0·4	..	..	..	..	..	..	..
1239	ϕCape Town		W.															
1240	Danger Point	33 56	E18 29	12·2	..	1014·9	+ 0·4	296·9	305·6	30th	286·7	283·6	25th	291·8	*290·1*	− 1·3	19	− 3
1241	Riversdale	34 37	19 18	27·7	1012·0	1015·3	..	292·8	298·6	30th	286·1	280·5	15th	289·5	..	− 0·8	29	0
1242	East London	34 6	21 16	?100	..	..	..	..	..	..	..	..	..	..	..	..	10	− 34
1259	Perth (Observatory)	33 2	27 55	44·8	..	1015·8	+ 0·8	296·3	301·3	12th	289·1	283·7	15th	292·7	..	− 0·6	76	+ 3
1260	Katanning	31 57	115 51	60·0	1009·6	1016·7	+ 1·3	299·8	308·3	14th	288·3	283·0	30th	294·1	*293·6*	− 0·7	10	− 11
1261	ϕCoolgardie	33 42	117 35	310	981·9	1018·0	+ 2·1	297·9	308·3	21st	283·1	276·9	24th	290·5	..	− 1·8	0	− 24
1262	Eucla	30 57	121 10	423	968·5	1016·8	+ 2·1	299·6	309·4	21st	286·8	281·3	5th	293·2	*293·1*	− 2·0	45	+ 21
1263	ϕStreaky Bay	31 45	128 58	4·6	1017·0	1017·6	+ 1·3	294·8	306·1	11th	288·7	284·1	28th	291·8	*291·2*	− 1·9	14	− 9
1264	Adelaide	32 48	134 13	13·1	1015·8	1017·2	+ 0·3	298·2	309·4	1st	285·9	281·3	28th	292·1	*291·4*	− 1·1	19	+ 4
1265	Melbourne	34 56	138 35	42·7	1011·9	1016·9	− 0·3	298·4	307·8	15th	286·5	282·7	28th	292·4	*291·9*	− 1·6	53	+ 27
1266	Bourke	30 13	145 58	110	1005·2	1018·1	+ 1·9	305·8	312·4	3rd	289·6	282·4	30th	297·7	..	− 0·5	17	− 15
1267	Sydney	33 51	151 13	42·1	1011·3	1016·2	− 0·2	297·6	305·8	6th	289·9	286·4	29th	293·8	*293·5*	+ 0·1	107	− 19
1268	Lord Howe Island	31 20	159 0	4·6	1015·3	1015·9	− 0·3	297·5	300·3	4th	291·8	288·1	16th	294·7	..	− 0·2	59	− 73
1271	Auckland	36 50	174 50	38·1	..	1016·3	+ 0·8	295·8	298·7	8th	289·3	284·7	13th	292·6	..	+ 1·3	92	+ 15
1272	ϕNapier	39 29	176 55	1·5	..	..	..	294·4	300·8	8th	287·4	283·8	11, 12, 18	290·9	..	+ 0·7	274	+191
		S.	E.															

Between Latitude 40° S. and 50° S.

MARCH—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1022·2	..	..	..	..	..	..	..	..	..	..	73	− 8
1321	ϕIsla Guafo	43 34	74 45	140	997·4	1014·2	− 1·7	287·6	290·6	19th	282·6	279·2	19th	285·1	*285·2*	+ 0·1	102	+ 30
1322	Punta Galera	40 1	73 44	40	1011·6	1016·4	+ 0·4	288·3	291·5	12th	283·1	280·0	22nd	285·7	*286·2*	− 0·3	180	+ 65
1323	Sarmiento	45 30	69 0	274	975·9	1006·6	− 3·8	293·9	304·8	17th	281·1	274·2	27th	287·5	*286·9*	− 0·8	8	− 5
1324	Puerto Madryn	42 49	W64 58	14	1007·7	1009·1	− 2·4	296·6	305·6	3rd	283·3	278·0	27th	290·0	*290·1*	− 0·2	16	+ 3
1365	Launceston	41 27	E147 10	10·1	1013·9	1015·1	+ 0·7	294·7	299·7	13th	283·4	278·1	10th	289·1	*288·1*	0·0	55	+ 11
1366	Hobart	42 53	147 20	53·9	1008·4	1015·0	+ 1·0	292·6	301·9	1st	284·2	278·7	18th	288·4	*287·4*	+ 0·2	67	+ 24
1370	Invercargill	46 25	168 21	3·7	..	..	..	291·8	302·4	3rd	280·3	273·0	24th	286·1	..	+ 0·5	25	− 73

MARCH—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	992·8	999·4	− 2·8	283·0	286·5	1st	279·0	276·8	20th	281·0	*281·4*	0·0	339	+ 51
1422	Puerto de Punta Arenas	53 10	70 54	28	993·9	997·3	− 4·0	285·3	290·7	2nd	279·1	275·8	20th	282·2	*282·4*	+ 0·5	24	− 20
1423	ϕPunta Dungeness	52 24	68 26	5	996·8	997·4	− 3·7	..	..	..	279·0	274·3	10th	..	*283·0*	− 0·1	12	− 9
1424	Santa Cruz	50 11	68 21	12	999·5	1000·4	− 3·6	291·4	303·2	3rd	279·6	273·3	27th	285·5	*285·4*	− 0·1	6	− 2
1424*a*	Año Nuevo	54 39	64 8	50	987·7	993·7	− 3·7	284·5	289·0	19th, 20th	278·1	274·0	26th	281·3	*280·6*	+ 0·3	64	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	999·4	..	285·2	290·8	18th	277·8	274·1	24th, 30th	281·5	..	..	37	− 20
1426	Cape Pembroke	51 41	57 42	21·3	997·5	1000·0	− 1·3	284·2	287·4	18th, 23rd	278·6	275·2	21st, 26th	281·4	281·7	+ 0·1	..	..
1429	S.Georgia (Cumberland Bay)	54 14	36 33	4	996·1	996·6	+ 0·4	282·3	293·6	18th	274·1	266·7	28th	278·2	*278·0*	+ 0·5	212	+ 84
		S.	W.															

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	989·9	990·8	− 0·5	273·0	281·8	17th	268·1	257·9	26th	270·6	270·4	− 2·1	43	− 3
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															

*For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).	
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8½h.	
1	SE	3·4	ENE 4	W 1	SW 2	Calm 0	S 1	E 1	E 2	W 2	Calm 0	E 1	Calm 0	
2	Calm	1·6	E 2	SSW 1	SW 5	Calm 0	Calm 0	EbyS 2	E 2	SE 2	SE 1	E 2	Calm 0	
3	Calm	1·7	ESE 3	Calm 0	Calm 0	Calm 0	Calm 0	EbyN 2	E 2	Calm 0	NE 1	NE 2	Calm 0	
4	Calm	1·4	E 3	ENE 1	SW 3	W 2	Calm 0	E 2	E 2	Calm 0	NE 1	NE 2	E 1	
5	Calm	1·0	ENE 4	SW 1	SW 3	NW 2	Calm 0	E 1	E 1	Calm 0	NE 1	Calm 0	NNE 2	
6	Calm	2·5	ENE 4	SSW 2	SSW 3	Calm 0	S 1	EbyS 1	EbyS 1	Calm 0	N 2	E 3	NNE 3	
7	Calm	3·0	ENE 4	WNW 1	SW 2	SE 2	SW 2	EbyS 1	EbyS 1	NW 2	NE 1	Calm 0	N 2	
8	SE	3·8	NE 3	W 2	SW 2	N 1	SW 1	EbyN 1	NE 1	NW 2	ENE 1	N 3	SW 5	
9	Calm	3·3	ENE 3	NNW 2	SW 2	N 1	SW 2	NE 2	NE 1	Calm 0	NE 1	E 3	Calm 0	
10	Calm	3·9	E 4	WNW 1	SW 3	NW 1	S 1	ENE 1	ENE 1	Calm 0	NE 2	N 3	NNE 1	
11	SE	4·0	ESE 3	WNW 2	SSW 2	Calm 0	NW 1	EbyN 1	Calm 0	NW 2	NE 2	ENE 2	N 2	
12	SE	4·0	NE 3	NW 1	SW 3	W 1	Calm 0	EbyN 1	EbyN 1	..	NE 2	NE 2	Calm 0	
13	SE	4·1	ENE 5	W 1	SW 3	Calm 0	SW 1	EbyN 1	ENE 1	..	ENE 2	NE 3	N 2	
14	Calm	3·0	ENE 4	WNW 1	SW 1	N 1	Calm 0	ENE 2	ENE 1	..	NE 3	E 1	NW 2	
15	SE	7·0	E 2	Calm 0	SW 4	N 1	Calm 0	ENE 1	EbyN 1	..	ENE 1	NE 2	Calm 0	
16	SE	7·7	ESE 2	WNW 1	SW 5	NW 2	S 1	EbyN 1	SE 1	NW 2	N 2	E 3	N 1	
17	SE	5·6	E 3	SW 1	SW 4	NW 1	Calm 0	E 1	E 1	Calm 0	NE 2	E 1	NW 1	
18	SE	3·1	E 3	NW 2	SW 4	Calm 0	S 1	EbyN 1	EbyN 1	Calm 0	NNE 2	NE 1	Calm 0	
19	Calm	3·0	E 4	NE 1	SW 2	Calm 0	Calm 0	ENE 1	ENE 1	Calm 0	NE 1	E 1	Calm 0	
20	SE	4·7	E 4	WNW 1	SW 2	Calm 0	SW 1	ENE 2	E 1	Calm 0	E 1	E 1	SW 1	
21	SE	5·0	E 4	NNW 2	SW 3	W 1	W 1	EbyS 1	EbyN 1	Calm 0	NE 1	NE 1	SSE 4	
22	ESE	6·4	E 3	SW 1	SW 3	Calm 0	Calm 0	ENE 1	E 1	Calm 0	NE 1	Calm 0	NNE 4	
23	ESE	9·1	E 4	NE 1	SW 2	S 2	SW 1	E 2	EbyS 1	SE 2	ENE 2	NE 2	Calm 0	
24	ESE	10·5	E 4	NW 2	SW 1	N 1	Calm 0	E 1	EbyN 1	NW 2	E 2	E 3	Calm 0	
25	SE	9·8	E 4	NW 3	SW 4	SE 1	SW 2	EbyN 1	E 1	Calm 0	E 3	E 3	Calm 0	
26	SE	11·9	E 3	SW 3	SW 4	NW 2	Calm 0	Calm 0	NE 1	SE 2	E 3	E 3	Calm 0	
27	SE	10·7	E 1	SW 2	SW 2	W 1	Calm 0	NE 1	NE 1	SE 2	ENE 3	E 3	NNE 1	
28	SE	8·8	E 4	SW 2	SW 3	NW 1	W 2	E 1	E 1	SE 2	E 4	E 4	Calm 0	
29	SE	8·3	E 4	W 2	W 1	Calm 0	Calm 0	EbyS 3	E 2	SE 2	E 3	E 4	Calm 0	
30	SE	9·3	E 4	WNW 1	SW 3	NW 2	Calm 0	EbyS 2	E 1	Calm 0	E 4	E 4	SE 3	
31	SE	6·5	E 3	NW 1	SW 4	SW 1	Calm 0	EbyN 1	EbyS 1	NW 4	E 2	E 1	NNW 1	
Mean	..	5·4	3·4	1·4	2·7	0·9	0·6	1·3	1·1	1·0	1·9	2·1		1·
§ Resultant	135°(66)	..	85°(93)	245°(67)		260°(26)		85°(92)		290° (7)	65°(82)		15°(25)	
§ Normal	142°(88)	6·4	‖78°(83)	277°(38)		260°(39)		‖‖76°(77)		320° (9)	‖84°(41)		79°(44)	

‖ Normal refers to ½ (9+21). ‖‖ Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introductio

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1924.

‡‡*Barents Sea.*—Off the White Sea, the edge consisting of close young ice extended from Cape Sviatoj towards the north and then curved eastwards passing about 40 miles off Cape Kanin. There was ice everywhere round Bear Island throughout the month.

‡‡*Spitsbergen.*—Icefjord and the other fjords were frozen over, but King's Bay was frequently free of ice.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 5 days visible and 2 days heavy.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock the old polar ice was 14 miles offshore with young ice near the land. The close edge of "Storis" was 90 miles offshore between Sabine Island and Davy Sound. Off Scoresby Sound the scattered ice edge was 40 miles offshore. At first at Angmagsalik the "Storis" was scattered and the pack 20 miles offshore, but from the 20th the "Storis" was packed and open sea visible 20 miles to the south.

‡‡*N. Atlantic and Labrador.*—Six icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 31. In Belle Isle Strait and off Belle Isle there was close pack ice. The Gulf of St. Lawrence was filled with ice and flat ice reached to midway between Canso Strait and Sable Island.

‡‡*Davis Strait.*—At Cape Farewell the ice was close inshore until the 15th when the coast became ice free. From the 19th to 31st the ice was about ten miles offshore. In Julianehaab Bay the ice was closely packed until the 23rd when it scattered. At Arsuk and Frederikshaab there was much ice outside a narrow land water, but it disappeared from Arsuk on the 15th and from Frederikshaab on the 26th. There was open water in Prince Regents Inlet as far as the western mouth of Fury and Hecla Strait. About the 31st firm ice occurred in Milne Inlet and Eclipse Sound.

‡‡*Isforholdene i de arktiske Have, 1924*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1924 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **APRIL—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1021·7	..	251·1	260·8	28th	241·4	231·9	4th	246·3	..	− 8·1	3	− 4
125	Upernivik	72 47	56 7	19·2	1021·8	1024·3	+ 8·4	268·9	283·0	21st	258·6	248·5	11th, 12th	263·7	*263·3*	+ 4·8	1	− 14
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	1027·4	1028·1	..	261·6	271·4	28th	252·7	245·0	6th	257·1	*257·4*	..	1	..
135	Jan Mayen	70 59	W 8 18	23·1	1013·0	1015·9	..	..	275·0	19th	266·0	261·3	6th	..	*269·2*	..	45	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1017·6	1019·1	+ 6·1	..	272·8	27th	257·7	247·0	5th	..	261·6	+ 2·2	17	− 7
140	Björnöen	74 28	19 17	40·5	1007·5	1012·8	..	..	273·7	2nd	261·7	252·4	6th	..	*264·6*	..	21	..
141	Gjesvaer	71 6	25 22	6·5	1008·3	1009·1	− 1·9	..	277·6	30th	270·1	263·8	7th	..	*272·0*	− 0·5	44	− 3
142	Mehavn	71 1	27 47	10·2	1008·6	1009·9	− 0·3	..	276·3	17th	268·4	260·8	10th	..	*270·7*	− 1·1	50	+ 2
143	ϕVardö	70 22	31 8	6·8	1009·3	1010·2	− 1·4	..	276·6	18th	269·0	260·4	8th	..	*271·2*	− 0·4	36	− 4
147	Malye Karmakouly	72 23	52 43	15·3	1012·2	1014·2	+ 1·2	265·9	277·0	13th	258·2	245·1	20th	262·0	*262·3*	− 0·4	14	+ 7
148	Waigatz	70 24	58 47	11·2	1011·8	1013·3	..	267·7	276·1	28th	256·2	244·6	7th	262·0	*260·7*	..	23	..
153	Dickson	73 30	80 23	13	1017·0	1018·8	..	257·3	268·0	30th	249·4	238·9	4th	253·4	..	..	6	..
		N.	E.															

Between Latitude 70° N. and 60° N. **APRIL—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1012·8	+ 1·6	261·9	272·4	11th	253·0	241·9	15th	257·4	*257·4*	− 7·2	4	− 11
204	Candle	65 55	161 57	2·4	..	..	..	257·4	271·3	8th	245·4	235·2	6th	251·4	..	− 8·7	..	..
205	Tanana	65 10	152 6	67·1	..	1012·5	− 2·7	266·1	277·4	30th	253·5	237·4	22nd	259·8	*259·7*	− 8·5	8	+ 1
206	Rampart	65 30	150 15	144	..	..	..	265·4	280·2	30th	252·6	236·9	7th	259·0	..	− 9·2	6	0
207	Valdez	61 7	146 16	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
208	Eagle	64 46	141 12	254	..	1010·1	− 1·1	272·2	293·0	28th, 29th	256·1	236·9	3rd	264·1	*264·2*	− 6·2	10	0
209	Dawson	64 4	139 29	324	969·4	1010·6	− 1·9	272·4	291·9	29th	257·4	239·7	3rd	264·9	..	− 6·2	14	− 2
210	Carcross	60 11	134 34	662	..	..	..	265·1	280·2	30th	252·6	236·9	7th	259·0	..	− 9·2	6	0
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	998·3	1015·6	+ 0·9	273·7	294·7	30th	258·8	235·2	3rd	266·3	..	− 4·3	13	− 14
213	ϕHay River	60 51	115 20	161	995·6	1016·6	+ 0·9	269·3	290·8	29th	256·7	237·4	10th	263·0	..	− 5·1	24	+ 11
225	Jacobshavn	69 13	51 2	31·6	1018·0	1022·1	+ 8·6	272·5	280·3	29th	263·8	253·0	7th	268·1	*268·3*	+ 5·0	24	+ 12
226	Godthaab	64 11	51 43	20·4	1017·0	1019·5	+ 9·7	..	..	..	268·5	259·1	3rd	..	*271·4*	+ 2·5	2	− 26
227	Ivigtut	61 12	48 10	5·0	1020·4	1021·0	+12·3	277·5	285·1	20th	269·8	262·7	7th	273·7	*273·9*	+ 1·5	10	− 52
229	Angmagsalik	65 37	37 33	29·3	1018·3	1022·1	+11·5	272·3	278·8	28th	263·1	255·3	14th	267·7	*267·8*	− 0·5	35	− 28
231	Stykkisholm	65 5	22 46	25	..	1017·1	+ 7·1	275·6	285·0	2nd	270·8	264·9	9th	273·2	*272·7*	− 1·1	35	− 3
232	Vestmanno	63 24	20 17	132	..	1013·2	+ 4·9	278·8	285·7	26th	272·1	264·2	9th	275·5	*274·6*	− 1·7	47	− 50
233	Grimsey	66 33	18 1	22·0	..	..	..	273·4	279·9	2nd	270·5	264·0	9th	271·9	*271·4*	− 0·5	10	− 3
233*a*	Akureyri	65 40	18 5	4	..	1010·6	+ 5·2	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1014·2	+ 3·9	277·0	286·4	3rd	271·3	265·5	11th, 21st	274·1	*274·3*	− 0·1	24	− 57
235	Thorshavn	62 3	6 45	26·3	1004·3	1007·6	− 3·1	278·9	283·3	5th	273·7	267·0	10th, 11th	276·3	*276·4*	− 1·4	118	+ 25
236	Lerwick	60 9	W 1 11	18·0	..	1008·6	− 2·6	280·2	283·0	5, 19, 29	275·8	271·3	12th, 22nd	278·0	*278·1*	− 0·3	137	+ 79
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1003·3	1008·8	− 3·5	280·3	285·0	28th	274·5	271·7	9th	277·4	*277·1*	− 1·4	82	− 14
238	Aalesund	60 28	6 10	6·3	1007·5	1008·3	− 4·9	..	284·4	27th	274·6	271·4	11th	..	*277·1*	− 0·9	40	− 19
239	ϕTrondhjem	63 26	10 25	37·0	1003·8	1008·4	− 3·3	279·5	284·2	29th	272·1	266·5	9th	275·8	*275·8*	− 0·7	35	− 10
240	Bodö	67 17	14 24	22·3	1004·5	1007·3	− 3·9	..	281·2	19th	271·0	265·5	8th	..	*274·7*	− 0·3	76	+ 25
241	Haparanda	65 50	24 9	9·2	1008·0	1009·2	− 3·9	275·2	284·5	18th	266·2	255·0	9th	270·7	*271·1*	− 0·3	32	+ 6
242	Helsingfors	60 10	24 57	11·7	1007·4	1008·9	− 5·2	276·4	280·5	15th	270·1	262·8	3rd	273·3	*273·4*	− 1·2	35	− 1
242*a*	Kuopio	62 54	27 40	90·3	‡979·0	‡1008·0	− 6·3	276·1	282·6	16th	268·3	255·8	5th	272·2	*272·6*	− 1·6	21	− 12
243	Kola	68 53	33 1	6·7	1009·6	1010·5	− 2·1	273·4	282·0	18th	265·1	251·4	8th	269·2	*269·7*	− 1·7	17	+ 3
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1008·0	1008·8	− 4·8	275·5	286·6	14th	267·8	256·6	25th	271·6	*271·5*	− 0·3	46	+ 27
246	Mezen	65 50	44 16	14·9	1007·2	1009·1	− 5·1	274·3	282·6	14th	266·3	257·3	8th	270·3	*270·4*	− 0·3	12	− 2
247	ϕOust-Tsylma	65 25	52 18	?68	1001·4	1010·0	− 5·5	276·4	285·4	25th	267·1	250·8	5th	271·8	*271·6*	+ 1·0	26	+ 8
248	Teherdyn	60 24	56 31	?177	990·6	1012·5	− 3·1	281·8	291·4	25th	273·2	257·6	6th	277·5	*276·8*	+ 2·9	42	+ 19
249	Berezov	63 56	65 4	39·5	1010·3	1015·4	− 1·5	276·4	281·1	16th	..	..	..	..	*270·6*	+ 2·6	7	− 10
250	ϕObdorsk	66 31	66 36	35·2	1012·8	1017·4	+ 0·8	..	274·8	15th	259·0	243·0	6th	..	*263·3*	+ 0·7	19	+ 10
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1011·8	1016·8	− 0·5	..	290·7	25th	267·9	255·7	7th	..	*273·3*	+ 4·9	17	+ 1
253	Doudinka	69 23	86 4	20·0	1015·1	1017·8	+ 6·1	..	272·9	6th	250·7	240·6	3rd	..	*256·3*	− 1·0	3	− 6
254	Touroukhansk	65 47	87 57	45·0	1013·2	1019·1	+ 3·6	..	277·5	6th	255·8	239·7	3rd	..	*262·4*	− 0·3	14	− 1
261	Viliouisk	63 45	121 35	120	..	..	..	..	276·8	24th	256·6	245·9	11th	..	*263·4*	− 1·3	20	+ 13
262	ϕIakoutsk	62 1	129 43	108	999·0	1013·0	− 0·4	..	277·6	25, 27, 28	258·2	243·9	12th	..	*264·6*	− 0·5	9	0
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	276·7	280·8	21st	271·9	268·6	17th	274·3	..	..	102	..
302	St. Paul Island	57 15	170 10	21·3	..	1010·5	+ 1·2	272·0	276·3	14th	266·1	256·3	17th	269·1	..	— 1·1	25	— 15
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1011·2	+ 1·2	277·9	285·8	26th	271·6	266·3	5th	274·7	*274·1*	— 0·1	161	+ 77
304	Port Moller	55 56	160 30	5·5	..	..	..	274·1	280·2	19th	268·9	263·6	23rd	271·5	..	..	69	..
305	Dillingham	59 0	158 28	24·4	..	..	..	271·2	278·0	30th	262·9	254·1	21st	267·1	..	— 4·0	21	— 19
306	Kodiak (Radio)	57 46	152 22	6·1	..	1003·7	— 5·4	277·9	282·4	sev. dates	271·4	261·3	6th	274·7	*274·3*	— 1·0	32	— 61
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 26	††147 16	§(27)	..	1015·9	+ 5·8	..	..	277·4|+1·1	..	..	..	..	276·9	0·0	..	..
309	Sitka	57 3	135 19	27·4	..	1011·2	— 2·2	281·6	290·8	27th	273·4	267·4	22nd	277·5	*277·1*	— 1·4	308	+169
310	Prince Rupert	54 18	130 18	51·8	1010·1	1016·5	+ 2·6	282·4	294·7	26th	274·7	269·7	23rd	278·6	*278·6*	— 0·3	261	+ 66
311	Barkerville	53 2	121 35	1274	866·5	1014·7	+ 2·0	276·9	287·4	28th, 29th	268·0	260·2	24th	272·4	*272·3*	— 2·3	97	+ 41
312	ϕKamloops	50 41	120 29	385	973·1	1019·4	+ 1·9	288·8	298·6	27th, 28th	275·2	268·6	24th	282·0	*282·0*	— 0·8	9	— 1
313	Calgary	51 2	114 2	1045	892·1	1014·2	+ 1·3	284·1	295·2	30th	269·1	260·8	24th, 25th	276·6	*275·3*	— 1·0	32	+ 13
314	Fort Chipewyan	58 42	111 10	218	987·0	1014·9	— 0·7	273·0	286·3	30th	258·0	240·8	1st	265·5	*266·4*	— 5·9	17	+ 2
315	Prince Albert	53 10	105 38	442	960·5	1014·7	+ 0·5	280·8	293·6	30th	268·0	258·6	11th	274·4	*273·9*	— 1·2	21	0
316	Qu'Appelle	50 30	103 47	645	935·0	1012·4	— 2·2	280·8	291·3	30th	270·2	261·9	11th	275·5	*275·1*	— 0·7	29	0
317	Minnedosa	50 15	99 50	515	950·2	1013·0	— 3·4	277·9	288·7	30th	268·7	260·8	12th	273·3	*273·3*	— 2·8	176	+150
318a	Berens River	52 18	97 23	216	..	..	..	278·5	293·0	27th	264·2	246·3	11th	271·3	..	— 0·5	120	+100
318a	Port Nelson	57 0	92 51	14·9	1013·3	1015·2	— 3·5	269·7	281·3	27th	261·9	248·0	2nd, 4th	265·8	..	+ 0·4	14	— 10
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1013·9	1015·1	— 1·7	277·5	286·9	28th, 29th	265·2	252·4	3rd	271·3	..	+ 0·6	37	+ 14
321	Fort George	53 50	79 5	97·5	..	..	..	274·7	281·9	25th	264·3	241·9	16th	269·5	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	277·8	284·1	29th	265·3	244·7	1st	271·6	..	+ 0·7	50	+ 6
324	Natashquan	50 8	61 48	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.							
331	55°—50° N. 30°—25° W.	††52 32	††27 25	§(32—33)	..	1012·0	..	..	..	282·8|+0·4	..	..	..	..	282·2	..	..	..
333	53°—48° N. 20°—15° W.	††50 3	††17 25	§(27—36)	..	1016·3	..	..	..	284·6|+0·6	..	..	..	..	283·8	..	..	..
333a	62°—57° N. 20°—15° W.	††58 56	††17 8	§(21)	..	..	..	..	..	280·7|−0·6	..	..	..	..	278·3	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1011·7	— 1·4	284·1	289·1	21st	278·2	272·4	15th	281·1	281·2	— 0·6	76	— 29
335	Aberdeen	57 10	W 2 6	26·8	..	1009·5	— 3·0	281·8	290·8	20th	275·9	272·4	9th	278·8	278·8	— 0·3	43	— 8
336	Greenwich	51 28	0 0	46·3	..	1011·9	— 2·3	286·1	297·4	21st	276·9	270·8	10th	281·5	280·7	— 0·5	77	+ 46
337	Uccle	50 48	E 4 22	100	999·8	1012·0	— 2·1	286·3	296·0	26th	276·5	271·2	3rd	281·4	280·5	— 0·3	80	+ 28
338	De Bilt	52 6	5 11	3·0	1011·2	1011·6	— 2·2	284·0	293·8	27th	275·9	270·5	3rd	279·9	279·6	— 1·4	46	+ 1
338a	Hamburg	53 33	9 58	40·3	1006·2	1011·2	— 2·0	282·5	289·7	15th	276·1	271·9	11th	279·3	*279·1*	— 1·4	30	— 2
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1009·6	1010·2	— 3·5	279·9	284·3	28th	274·3	269·6	4th	277·1	*276·7*	— 1·4	53	+ 2
340	Potsdam	52 23	13 4	84·9	1000·7	1011·1	— 3·0	283·9	294·3	15th	275·4	269·9	12th	279·7	279·2	— 1·5	68	+ 17
340a	Uppsala	59 51	17 38	24	1006·0	1009·0	— 4·3	278·4	282·7	20th	266·9	260·6	2nd	274·1	274·0	— 2·2	52	+ 2
341	Warsaw	52 13	21 3	89·9	1000·6	1011·8	— 3·0	283·1	289·8	16th	274·8	270·8	13th	278·9	278·7	..	33	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	999·7	1009·0	— 4·9	277·2	284·8	17th	271·3	265·4	3rd	274·3	273·8	— 2·6	41	+ 11
343	Leningrad	59 56	30 16	4·8	1008·2	1008·8	— 5·7	276·4	282·9	17th	271·3	264·1	3rd	273·8	*273·7*	— 1·7	41	+ 15
344	Kiiv	50 27	30 30	183	990·7	1013·2	— 1·4	282·3	291·3	19th	275·4	272·2	5th	278·9	*278·3*	— 1·6	142	+ 67
344a	Moscow	55 50	37 33	167	990·6	1011·2	— 5·3	280·4	291·0	17th	272·7	262·8	6th	276·6	*276·3*	— 0·1	64	+ 21
345	Saratov	51 33	45 57	122	999·8	1014·9	— 2·3	283·6	294·3	16th	274·3	267·5	5th	279·0	*278·9*	+ 1·9	13	— 2
346	Kazan	55 47	49 8	79·9	1004·8	1014·7	— 4·4	284·4	291·2	20th, 22nd	274·5	265·4	6th	279·4	*278·8*	+ 2·3	15	— 5
347	Orenburg	51 45	55 6	109	1003·5	1017·0	— 4·4	284·5	292·7	24th	272·9	265·1	7th	278·7	*278·7*	+ 1·4	13	— 6
348	Perm	58 1	56 16	163	994·8	1014·9	— 4·3	282·6	293·5	24th	273·1	257·9	6th	277·8	*277·4*	+ 2·1	37	+ 9
349	Sverdlovsk	56 50	60 38	281	981·0	1015·4	— 3·5	283·2	292·6	24th	272·6	259·5	7th	277·9	*277·6*	+ 2·9	25	+ 12
350	ϕTobolsk	58 12	68 14	108	1003·4	1016·8	— 2·7	283·3	294·9	24th	272·8	259·7	7th	278·0	*277·6*	+ 3·7	22	+ 7
351	Akmolinsk	51 12	71 23	347	..	..	..	282·4	293·6	27th	272·6	263·4	4th	277·5	*277·2*	+ 3·0	20	+ 6
352	Omsk	55 1	73 19	108	1004·2	1017·7	— 3·0	281·6	293·8	24th	270·9	262·1	3rd	276·2	*276·1*	+ 2·9	14	+ 2
353	Barnaoul	53 20	83 48	162	999·1	1019·3	— 2·4	280·8	291·4	26th	269·7	247·1	1st	275·2	*275·6*	+ 1·7	39	+ 24
354	Tomsk	56 30	84 58	122	1003·0	1018·4	— 1·7	..	289·6	25th	269·0	253·3	1st	..	*274·1*	+ 2·1	25	+ 9
355	Minousinsk	53 43	91 41	248	988·4	1019·1	— 1·7	..	289·4	25th	270·8	251·5	1st	..	*276·1*	+ 0·8	16	+ 4
356	Eniseisk	58 27	92 10	77·6	1007·5	1017·4	— 0·4	..	284·0	24th	264·5	246·2	1st	..	*271·6*	0·0	17	— 2
357	Irkutsk	52 16	104 19	467	960·4	1018·0	— 1·7	278·5	289·4	25th	266·9	250·2	2nd	272·7	272·8	— 0·6	9	— 5
358	ϕKirensk	57 47	108 7	278	981·4	1016·4	— 0·3	..	280·0	25th	261·4	243·7	5th	..	*268·8*	— 2·1	6	— 11
359	ϕTchita	52 2	113 30	674	..	..	..	..	..	..	264·9	253·0	3rd	..	*269·5*	— 3·4	21	+ 11
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	991·4	1009·1	— 2·4	277·3	286·2	18th	268·0	257·9	7th	272·6	*272·5*	— 2·9	45	+ 26
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1013·2	‡1014·9	+ 5·8	272·4	278·5	26th	266·1	260·9	12th	269·2	*269·7*	— 1·3	26	— 35

*For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and 1
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·8	1020·4	+ 2·9	285·1	294·0	26th	278·1	274·1	23rd	281·6	281·1	— 0·2	46	+ 7
412	Portland, Oregon	45 32	122 41	46·6	1015·8	1021·3	+ 3·1	290·4	299·7	27th	278·9	273·0	15th	284·7	*284·6*	+ 1·0	23	— 54
413	Macleod	49 44	113 24	953	..	..	..	284·8	295·2	28th	271·7	263·6	14th, 25th	278·2	*278·4*	— 0·7	17	0
414	Helena	46 34	112 4	1253	872·1	1015·2	+ 0·1	283·7	293·6	30th	273·7	266·9	25th	278·7	*278·8*	— 0·8	13	— 15
414a	Salt Lake City	40 46	111 54	1329	865·5	1013·5	+ 0·2	288·2	297·4	22nd	277·4	270·8	15th	282·8	*283·0*	— 0·2	23	— 30
415	Cheyenne	41 8	104 48	1856	809·8	1013·5	— 0·5	283·6	294·1	23rd	270·6	261·9	26th	277·1	*277·4*	— 0·9	36	— 11
416	North Platte	41 8	100 45	860	914·1	1013·2	— 0·8	290·9	303·6	14th	275·1	266·9	1st	283·0	*282·5*	+ 0·9	5	— 49
416a	Bismarck	46 47	100 38	510	952·3	1013·5	— 2·2	283·8	296·3	23rd	272·1	264·7	1st	278·0	*277·6*	— 1·2	48	+ 7
417	Winnipeg	49 53	97 7	232	983·9	1012·6	— 4·0	279·7	291·3	23rd	270·8	259·7	12th	275·2	*275·1*	— 1·0	89	+ 53
418	Duluth	46 47	92 6	345	970·6	1012·5	— 3·7	279·9	289·1	3rd	271·2	262·4	1st	275·6	*275·1*	— 0·9	75	+ 23
419	Port Arthur	48 27	89 12	196	989·6	1013·9	— 2·6	278·6	283·6	28th	271·3	260·2	1st	274·9	*274·7*	+ 0·5	39	+ 1
420	Chicago	41 53	87 37	251	984·1	1014·5	— 1·3	286·6	297·4	24th	278·3	268·0	1st	282·4	*282·0*	+ 0·8	21	— 51
421	Toronto	43 40	79 24	116	1000·7	1015·0	— 1·1	283·6	292·3	28th	274·4	266·1	1st	279·0	*278·8*	+ 0·4	65	+ 7
422	ϕNew York (Central Park)	40 47	73 58	47·4	1009·1	1014·9	— 0·7	287·0	295·8	27th	278·0	270·2	1st, 2nd	282·5	*282·1*	— 0·4	154	+ 67
423	St. John, N.B.	45 17	66 4	36·2	1009·1	1013·6	+ 0·1	279·3	286·2	27th	272·0	268·3	2nd	275·7	275·2	— 1·2	82	— 7
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·9	1016·1	+ 3·4	276·2	281·9	23rd	270·4	261·9	1st	273·3	*273·2*	+ 1·1	25	— 20
424a	Sable Island (Main Station)	43 57	60 6	7·6	1011·6	1012·5	— 1·5	277·2	281·9	23rd	273·3	270·2	2nd	275·2	*275·2*	— 0·8	50	— 42
425	Port aux Basques	47 35	59 10	9·1	1011·8	1012·9	— 0·6	277·1	281·9	10th	271·1	262·2	2nd	274·1	*273·9*	+ 0·5	54	— 43
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
430	50°—45° N. 35°—30° W.	††47 20	††32 34	§(22-30)	..	1015·4	..	..	..	286·8|+1·2	..	..	..	..	286·2	..	..	..
435	Madrid	40 24	3 41	667	938·6	1015·9	+ 0·6	291·2	299·9	30th	279·7	271·5	3rd	285·5	*285·2*	+ 0·8	38	— 3
436	Nantes	47 15	W 1 34	36·5	1009·0	1013·6	— 1·0	287·5	296·3	22nd	278·6	273·8	1st	283·0	282·8	— 0·1	55	+ 4
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1007·1	1013·6	— 0·3	287·6	295·9	21st	277·5	272·0	10th	282·6	282·4	— 0·2	59	+ 15
438	Marseille	43 18	5 23	75	..	1012·4	+ 0·5	292·1	298·8	26th	281·0	276·3	2nd	286·6	*286·1*	+ 0·4	10	— 45
438a	Zürich	47 23	8 33	493	955·2	1013·6	— 0·8	286·8	299·8	26th	277·1	272·4	19th	281·9	281·5	— 0·1	131	+ 41
439	Rome	41 54	12 27	45·5	1007·4	1012·6	— 0·2	292·6	297·8	26th	283·4	278·4	13th	288·0	*287·8*	+ 1·1	42	— 24
440a	Vienna	48 15	16 22	203	987·6	1012·2	— 1·4	285·1	294·9	25th	277·7	272·4	1st	281·4	281·3	— 0·2	25	— 31
441	Budapest	47 31	19 1	130	996·1	1011·9	— 1·0	286·9	297·1	26th	278·7	272·3	13th	282·8	282·6	— 0·8	70	+ 17
442	Sofia	42 42	23 20	550	948·1	1012·2	— 1·5	290·9	299·5	27th	279·6	274·7	13th	285·3	285·0	+ 1·9	61	+ 21
	Bucharest	44 25	26 6	82	1002·2	1012·1	— 1·4	291·0	299·2	26th	279·2	274·3	15th	285·1	284·9	+ 0·7	21	+ 9
443	Odessa (Observatory)	46 26	30 46	42·8	1008·0	1013·3	— 1·7	284·0	291·5	19th	278·3	274·7	24th	281·1	*280·6*	— 1·0	52	— 23
444	ϕKharkiv (University)	50 0	36 14	140	997·5	1014·7	— 1·7	283·1	294·1	19th, 20th	275·1	268·4	5th	279·1	*278·8*	— 1·8	55	+ 27
444a	Novorossiisk	44 44	37 49	37·1	1010·4	1014·9	+ 0·1	286·6	295·0	10th	280·2	276·5	..	283·4	*283·1*	— 0·4	50	+ 18
445	Tiflis	41 43	44 48	404	967·0	1014·7	— 1·5	289·1	300·5	30th	279·2	274·3	10th	284·1	284·2	— 0·2	25	+ 5
446	Astrakhan	46 21	48 2	—20	1017·9	1015·5	— 1·8	287·0	294·4	16th	277·1	270·3	5th	282·0	*282·1*	+ 0·3	3	— 31
447	Fort Alexandrovsk	44 31	50 7	—23·0	1017·5	1014·7	— 1·2	286·5	297·9	16th	279·4	275·8	8th	283·0	*282·6*	— 0·2	9	— 24
448	ϕKrasnovodsk	40 0	52 59	— 4·6	1014·4	1013·8	— 1·6	290·4	297·4	15th	282·2	278·1	8th	286·3	*285·8*	— 0·9	7	+ 8
449	Kasalinsk	45 46	62 7	66·7	1007·4	1015·5	— 3·3	..	..	..	277·1	270·4	6th	..	*283·1*	+ 1·3	33	— 17
450	Tashkent	41 20	69 18	478	958·0	1013·7	— 2·1	293·7	298·5	19th	282·3	278·7	1st	288·0	*287·4*	+ 0·1	71	+ 19
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	36	+ 17
452	Alma Ata	43 16	76 53	841	918·2	1014·7	— 2·7	289·9	295·2	22nd	279·9	268·5	1st	284·9	*284·3*	+ 1·6	127	+ 5
461	ϕMoukden	41 48	123 23	43·8	1007·6	1013·0	— 1·5	287·4	293·3	28th	275·1	266·0	7th	281·3	281·0	— 0·5	13	+ 34
462	ϕJoshin	40 40	129 11	31·9	1009·6	1013·5	— 0·2	283·2	291·4	19th	275·0	270·2	8th	279·1	278·6	— 1·0	48	— 15
463	ϕYuki	42 20	130 24	65·6	1005·2	1013·3	0·0	282·5	290·7	19th	273·8	267·8	8th	278·1	277·6	— 0·7	20	+ 17
464	Vladivostok	43 7	131 54	128	997·6	1013·5	— 0·9	280·0	287·9	26th	273·6	268·8	7th	276·8	*276·3*	— 1·2	27	— 15
465	ϕOchiai	47 20	142 47	27·4	1008·8	1012·2	+ 0·6	278·2	285·8	28th	270·0	261·5	8th	274·1	274·4	+ 0·9	26	— 4
466	Nemuro	43 20	145 35	26·7	1011·9	1015·2	+ 1·5	280·3	286·8	29th	272·6	269·6	2nd	276·5	276·4	+ 0·6	74	— 20
466a	Syana	45 14	147 53	39·3	1010·4	1015·3	+ 2·1	279·7	289·5	30th	271·5	265·7	8th	275·6	275·5	+ 1·1	72	+ 1

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
508	35°—30° N. 145°—140° W.	††32 18	††142 14	§(19)	..	1025·4	+ 0·3	..	..	Sea Temp. 289·7+0·6	..	..	..	..	288·6	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1010·9	1016·6	— 1·1	291·2	303·0	6th	283·1	281·3	15th	287·1	*286·3*	+ 1·7	8	— 32
512	San Luis Obispo	35 18	120 39	61·3	1009·5	1016·9	— 0·6	292·3	304·1	19th	280·9	275·8	16th	286·6	*286·0*	+ 0·6	8	— 28
513	San Diego	32 43	117 10	26·5	1012·3	1015·2	— 0·4	291·4	299·7	18th	284·9	281·9	16th	288·2	*287·6*	+ 0·6	20	+ 4
514	Modena	37 48	113 54	1670	831·5	1012·5	+ 0·4	288·9	295·8	21st	272·4	265·8	16th	280·7	*280·9*	+ 0·3	13	— 10
515	Santa Fé	35 41	105 57	2138	784·1	1010·5	— 0·7	287·2	293·6	23rd	273·9	265·8	17th	280·6	*280·6*	— 0·8	32	+ 9
516	Denver	39 45	105 0	1613	834·5	1013·2	— 0·2	287·7	297·4	23rd	273·8	265·2	26th	280·8	*281·0*	— 0·8	41	— 13
517	Abilene	32 23	99 40	530	952·1	1012·8	— 0·6	297·4	305·8	21st	283·4	273·6	1st	290·4	*290·1*	— 0·4	74	+ 8
518	Saint Louis	38 38	90 12	173	993·3	1013·9	— 1·4	293·0	303·0	16th	282·3	269·1	1st	287·7	*287·2*	+ 1·5	48	— 48
519	Mobile	30 41	88 2	17·4	1014·1	1016·2	— 0·5	296·4	301·9	22nd	288·1	276·3	1st	292·2	*292·0*	+ 0·3	104	— 21
520	Nashville	36 10	86 47	166	996·4	1016·2	— 0·3	293·7	301·9	25th	282·6	269·1	2nd	288·2	*288·3*	+ 0·3	90	— 22
521	Charleston	32 47	79 56	14·6	1014·7	1016·6	— 0·7	294·9	303·0	8th	286·7	278·0	2nd	290·8	*290·6*	+ 0·1	147	+ 73
522	Washington	38 54	77 3	34·1	1011·7	1015·9	— 0·3	289·6	299·7	14th	278·6	270·8	1st	284·1	*284·3*	— 0·9	137	+ 55
524	Bermuda	32 17	64 46	46·0	1012·0	1017·5	+ 0·2	293·2	296·1	21st	287·4	283·6	27th	290·3	*290·1*	— 1·6	86	— 16
530	Santa Cruz (Flores)	39 27	31 9	40	1009·4	1014·3	— 6·6	290·3	292·9	27th	285·7	278·8	3rd	288·0	*287·9*	— 0·1	149	+ 38
531	Horta	38 32	28 38	65	1008·0	1015·8	— 5·2	290·6	294·0	10th	286·1	283·3	3rd	288·4	288·1	— 0·3	107	+ 31
532	Ponta Delgada	37 44	25 40	22	1014·2	1016·7	— 4·6	289·8	291·9	30th	286·5	282·9	8th	288·1	288·2	+ 0·1	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	175	+ 95
533	Madeira (Funchal)	32 38	16 55	25	‡1016·0	‡1019·0	+ 0·1	292·3	296·0	30th	287·0	282·1	6th	289·6	*289·8*	+ 0·6	15	— 34
535	Melilla	38 43	9 9	95	1004·6	1015·9	+ 0·1	291·8	299·7	21st	285·0	280·0	2nd	288·4	288·1	+ 0·9	89	+ 14
535a	Gibraltar	35 17	2 59	40	1013·3	1018·1	+ 2·8	294·0	301·0	24th	284·8	280·0	3rd	289·4	*290·5*	+ 0·2	13	— 48
536	Colomb-Béchar	36 6	2 21	16·2	..	1016·5	— 0·2	292·9	298·6	29th	285·5	281·3	4th	289·2	*288·7*	+ 0·1	79	+ 11
536a		31 36	2 4	769	926·3	1012·4	..	299·7	305·5	28th	284·7	277·3	2nd	292·2	*291·8*	..	2	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
537	Palma	39 34	2 39	23	1011·4	1014·1	− 0·7	292·3	297·0	26th	281·7	277·0	4th	287·0	..	− 1·0	43	+ 7
538	Algiers (Bouzaréah)	36 47	3 2	344	974·8	1015·1	+ 0·1	291·6	300·5	25th	284·3	278·9	3rd	288·0	*287·9*	+ 1·7	21	− 31
538*a*	Gadames	30 9	9 30	351	..	..	..	302·9	311·8	6th	285·7	279·8	20th	294·3	..	..	0	..
539	Tunis	36 48	10 10	21	1010·5	1013·0	..	295·1	306·8	26th	284·3	279·4	4th	289·7	*288·9*	+ 1·3	24	− 14
539*a*	Malta	35 54	14 31	56·4	..	1014·3	+ 1·5	292·1	299·1	27th	286·3	282·4	21st	289·2	*288·4*	+ 0·1	53	+ 31
540	Riposto	37 41	15 14	14·2	..	1016·3	+ 1·1	291·8	296·6	27th	284·6	282·4	15th	288·2	*287·7*	− 0·5	58	+ 15
541	Athens	37 58	23 43	107	1000·4	1013·0	− 0·3	294·8	302·0	28th	285·9	283·3	14th	290·3	290·1	+ 2·3	0	− 22
542	Alexandria	31 12	29 53	32·0	1011·0	1014·7	+ 0·6	297·9	313·3	2nd	288·8	286·7	16th	293·3	*292·8*	+ 1·4	0	− 3
543	Nicosia (P.W.D.)	35 9	33 22	159	993·6	1011·8	− 0·1	298·4	303·0	26th	283·4	279·7	5th, 8th	290·9	..	+ 1·4	0	− 26
544	Beirut	33 54	35 28	33·7	..	1013·2	− 0·2	295·5	306·4	10th	288·1	285·5	8th	291·8	*291·6*	+ 0·6	0	− 56
545	Hinaidi	33 17	44 29	32·3	..	1010·2	− 1·8	301·2	308·3	29th	285·6	281·9	17th, 23rd	293·4	*294·5*	..	0	..
546	Lenkoran	38 46	48 52	−20·0	1017·0	1014·6	− 1·3	..	290·6	16th	281·4	276·5	19th	..	*284·3*	− 0·7	83	+ 39
547	Tehran	35 41	51 25	1220	..	..	..	293·6	297·7	25th	282·7	276·9	23rd	288·1	*288·4*	− 0·3	41	+ 7
548	Meshed	36 16	59 35	946	876·9	..	..	291·3	299·3	17th	280·3	276·3	11th	285·8	..	− 0·7	114	+ 67
549	Seistan	31 0	61 30	610	..	..	..	301·0	307·6	17th	287·7	283·0	12th	294·3	..	..	17	+ 15
550	Quetta	30 11	67 3	1677	832·2	..	− 0·7	294·8	300·7	19th	280·7	276·5	29th	287·8	*288·1*	− 0·5	73	+ 43
551	Peshawar	34 2	71 37	339	971·3	1010·0	− 0·6	302·7	308·9	23rd	289·6	285·7	5th	296·1	*295·9*	+ 0·4	55	+ 15
551*a*	Lahore	31 34	74 20	214	982·9	1007·1	− 0·6	307·9	313·4	24th	292·3	288·3	8th	300·1	*299·9*	− 0·3	2	− 18
552	Simla	31 7	77 8	2204	781·2	..	+ 0·1	292·6	296·6	25th	285·1	281·3	29th	288·8	*289·1*	+ 0·7	15	− 36
552*a*	Leh	34 10	77 42	3503	667·2	..	+ 0·9	287·1	291·3	25th	273·0	269·8	7th	280·1	*279·5*	+ 1·0	1	− 1
559	Hankow	30 35	114 17	37·0	1009·7	1014·1	− 1·5	297·0	305·0	13th, 14th	286·2	279·6	4th, 17th	291·6	*291·0*	+ 1·7	74	− 73
560	Tientsin	39 10	117 10	5·0	1012·7	1013·3	− 2·1	293·8	303·6	30th	280·1	272·1	4th	286·9	*286·4*	+ 0·4	1	− 12
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1014·5	− 1·0	294·7	304·0	15th	283·5	277·2	4th	289·1	288·0	+ 1·5	32	− 68
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1007·6	1015·8	+ 0·5	288·1	293·8	30th	279·1	271·8	5th	283·6	282·9	+ 0·4	94	+ 43
562*a*	Nagasaki	32 44	129 52	133	999·1	1014·9	− 0·5	292·5	298·4	15th	283·6	276·0	4th	288·1	287·9	+ 0·7	247	+ 43
563	Kyoto	35 1	135 44	42·9	1010·7	1015·9	+ 0·5	293·3	299·3	15th	280·9	272·6	5th	287·1	286·8	+ 1·6	141	− 49
564	Tokyo	35 41	139 46	5·8	1015·5	1016·2	+ 0·8	292·1	296·6	26th	283·4	279·4	1st	287·8	287·7	+ 2·2	171	+ 46
565	Kanayama	37 53	140 46	24·6	1012·9	1015·9	+ 0·3	291·4	296·9	24th	277·8	271·3	5th	284·6	284·2	+ 1·6	57	− 46
566	Miyako	39 38	141 59	30·4	1011·8	1015·5	+ 0·8	289·7	299·0	20th	276·5	270·3	9th	283·1	282·4	+ 1·2	53	− 45

APRIL—ZONE 6.																		Between Latitude 30° N. and 20° N.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1019·6	− 0·7	296·1	299·7	2nd	288·3	284·7	5th	292·2	*291·7*	..	39	..
605	Honolulu	21 19	157 52	11·6	1015·1	1016·4	− 1·7	298·2	299·1	..	292·9	290·8	..	295·6	*295·5*	− 0·2	321	+20
614	La Paz	24 10	110 20	12	1010·9	1012·3	..	299·1	303·2	23rd	288·5	286·5	15th	293·8	*293·1*	..	3	..
615	Chihuahua	28 38	106 4	1423	856·9	1009·4	..	297·6	303·0	28th	281·4	274·0	18th	289·5	*291·0*	− 2·4	5	+ 1
616	Leon	21 7	101 41	1809	821·3	1008·0	+ 0·5	302·9	307·0	17th	283·1	279·0	3rd	293·0	*294·3*	− 0·1	0	+ 3
616*a*	Monterry	25 40	100 18	528	951·8	1011·1	+ 0·3	301·6	311·1	16th	289·5	283·0	2nd	295·5	*294·7*	− 0·8	32	+ 1
617	Tulancingo	20 5	98 22	2181	789·6	1008·7	..	299·9	305·9	16th	283·1	276·8	19th	291·5	*289·8*	− 0·8	6	− 2
618	Galveston	29 18	94 50	16·5	1013·2	1015·2	− 0·2	294·9	298·0	30th	290·3	281·3	1st	292·6	*292·2*	− 0·7	29	− 1
618*a*	New Orleans	29 57	90 4	16·2	..	1015·9	0·0	298·1	302·4	15th	289·2	278·6	1st	293·6	*293·3*	+ 0·2	79	− 4
619	Merida, Yuc.	20 58	89 38	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..
620	Havana	23 8	82 21	24·3	..	1015·9	− 0·2	303·2	306·7	12th	294·6	292·8	29th	298·9	*298·4*	+ 1·3	67	+ 2
620*a*	Key West	24 33	81 48	6·7	1015·0	1015·6	− 0·7	301·5	303·6	30th	295·7	292·4	7th	298·6	*298·0*	+ 1·3	5	− 2
621	Nassau, Bahamas	25 5	77 21	7·3	..	1017·9	+ 0·7	301·7	..	..	296·4	..	..	299·1	*299·0*	+ 2·2	20	− 1
622	Watling Island	24 6	74 26	33·5	..	1017·3	+ 0·7	..	302	25th	..	295	1st	..	*298·1*	..	..	..
633	Port Etienne	20 56	17 3	4	1014·7	1015·2	..	298·3	303·5	10th	288·3	287·0	8th, 12th	293·3	*291·7*	..	0	..
634*m*	Izaña	28 19	16 30	2367	767·5	..	..	284·9	295·4	30th	275·6	266·8	7th, 8th	280·3	*280·6*	+ 1·0	24	..
634	La Laguna	28 28	16 20	547	953·7	1017·3	+ 1·1	292·0	299·3	30th	283·0	278·2	25th	287·5	*286·9*	+ 0·1	47	..
636	Adrar	27 36	W 0 4	168	..	..	..	308·3	315·4	27th	286·3	279·9	15th	297·3	*299·6*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	−23	1015·8	1013·1	..	303·3	309·0	1st	283·9	282·0	15th, 16th	293·6	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	999·8	1013·2	+ 0·2	302·6	312·8	3rd	287·8	284·1	6th, 12th	295·2	*295·1*	+ 1·2	0	..
643*a*	Aswan	24 2	32 53	99·6	998·3	1009·5	− 1·6	311·1	317·8	23rd	292·3	287·5	7th	301·7	*301·5*	+ 2·8	..	..
644	Tor	28 14	33 37	1·9	1010·3	1010·4	− 0·6	300·9	310·6	3rd	289·8	284·9	16th	295·4	*295·2*	+ 0·8	0	..
647	Bushire	28 59	50 53	4·3	1008·9	1009·4	− 2·0	300·7	308·9	16th	293·0	289·7	13th	296·9	*296·2*	+ 0·5	0	− 1
648	Jask	25 44	57 47	4·0	1008·0	1008·4	− 1·8	305·2	309·9	22nd	296·0	292·0	14th	300·6	*299·9*	+ 1·2	0	− 1
649	Karachi	24 53	66 57	4·0	1008·2	1008·6	− 0·8	303·5	308·6	8th	296·7	293·4	4th	300·1	*299·4*	+ 0·8	5	+ 1
650	Jacobabad	28 17	68 29	56·7	1001·3	1007·6	+ 0·1	311·3	316·5	19th	294·8	289·4	12th	303·1	*302·6*	+ 0·8	3	− 1
651	Jaipur	26 56	75 52	436	959·7	1007·5	− 0·5	311·4	314·9	21st	294·4	289·3	14th	302·9	*302·8*	− 0·3	0	− 1
652	Nagpur	21 8	79 5	310	973·2	1007·2	− 0·7	314·1	317·2	24th	299·1	294·6	9th	306·6	*306·4*	+ 1·3	1	− 1
653	Allahabad	25 25	81 51	94·2	996·5	1006·5	− 0·4	314·1	316·9	25th, 29th	296·1	291·1	18th	305·1	*304·8*	+ 1·4	0	− 1
653*a*	Darjeeling	27 3	88 18	2265	775·1	..	− 0·4	291·1	294·9	5th	283·0	279·1	19th	287·1	*287·4*	+ 1·0	94	− 4
654	Calcutta	22 36	88 23	6·4	1006·4	1007·2	− 1·1	310·4	313·8	4th	298·9	295·5	19th, 30th	304·7	*304·2*	+ 1·8	8	− 1
655	Gauhati	26 8	91 41	59·7	1001·7	1008·7	− 1·7	305·3	311·1	5th, 7th	293·8	291·7	17th	299·6	*298·5*	+ 1·8	142	+ 1
655*m*	Cherrapunji	25 15	91 42	1313	867·2	..	− 0·9	295·8	299·5	4th	289·1	281·9	16th	292·4	*291·7*	+ 1·8	881	+ 1
655*a*	Akyab	20 11	92 56	6·1	1008·7	1009·4	− 1·1	306·7	309·2	20th	297·3	294·4	27th	302·0	*301·7*	+ 0·5	71	+ 1
656	Mandalay	21 59	96 0	76·2	1000·0	1008·4	− 0·7	313·7	316·1	29th	299·3	295·3	17th	306·5	*306·0*	+ 1·2	12	− 1
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·0	299·1	6th	283·2	280·2	11th, 12th	289·6	*289·2*	+ 1·3	62	− 1
657	Phu Lien	20 48	106 38	116	996·7	1010·1	− 0·4	298·8	306·5	2nd	292·8	287·5	5th	295·8	295·1	− 0·4	114	+ 4
658	Moncay	21 31	107 51	9·0	1009·5	1010·5	− 0·4	298·3	303·1	16th	292·3	286·7	5th	295·3	*295·2*	− 0·4	76	+ 3
659	Hongkong	22 18	114 10	33·2	..	1011·5	− 1·1	296·6	302·7	30th	291·8	287·1	4th	294·2	293·7	− 0·6	158	+ 1
661	Taihoku, Formosa	25 2	121 31	9·3	1011·7	1012·8	− 1·2	298·1	304·9	15th	290·8	284·7	4th	294·5	294·0	+ 0·4	327	+ 1
661*a*	Basco	20 28	121 59	18·7	..	1009·6	− 1·3	301·9	303·9	15th	296·6	293·1	4th	299·3	*299·6*	+ 0·5	118	+ 1
662	Naha	26 13	127 41	10·5	1012·3	1013·5	− 1·0	2 7·7	302·4	30th	291·1	285·6	4th	294·4	294·3	+ 0·4	226	+ 1
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·1	1015·6	− 0·2	297·3	300·3	19th	292·0	288·4	26th	294·7	294·4	+ 0·8	90	− 1
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
715	Colima	19 12	103 45	498	955·5	1011·1	..	305·4	309·8	14th	289·5	286·8	18th	297·4	*297·1*	+ 0·2	0	..
716	Morelia	19 42	101 7	1923	..	..	..	299·6	302·6	17th	285·9	282·6	2nd	292·7	*292·5*	+ 0·3	2	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·3	..	0·0	300·8	304·3	16th	282·0	277·7	19th	291·4	290·6	+ 0·8	18	− 2
718	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	San Salvador	13 42	89 12	682	937·2	1012·5	+ 0·7	306·3	309·0	9th	291·4	288·4	9th	298·9	*297·2*	− 0·1	62	+ 4
720	Belize	17 29	88 12	5·2	1011·9	1012·5	− 0·9	303·4	305·2	12th	297·8	293·0	20th	300·6	*300·2*	+ 0·7	3	− 41
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1013·4	− 0·2	304·2	305·9	3rd	294·5	293·0	2nd	299·3	*299·3*	+ 0·9	11	− 63
722	Port au Prince	18 33	72 20	37·4	1010·0	1014·3	− 0·4	304·1	306·7	11th	294·9	293·0	26th	299·5	*299·5*	+ 0·4	255	+ 91
723	Caracas	10 30	66 56	1042	898·9	1012·9	− 0·2	301·1	304·8	17th	288·7	285·0	2nd	294·9	*292·9*	− 0·2	45	+ 5
723*a*	Montserrat	16 41	62 9	36·6	?1010·3	?1014·5	− 0·5	?303·9	?306·3	21st	?295·8	?294·1	7, 23, 24	?299·8	*?299·3*	+ 0·4	77	− 11
724	San Juan, Port Rico	18 29	66 7	25·0	1012·0	1014·9	− 0·9	301·2	305·2	15th	295·2	293·0	26th	298·2	*297·9*	+ 0·4	172	+ 74
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·8	‡1012·7	− 0·2	302·7	303·6	sev. dates.	296·3	294·7	1st, 22nd	299·5	*299·1*	+ 0·5	10	− 44
725	ϕBarbados	13 8	59 36	55·2	..	1013·6	− 0·6	303·0	304·5	24th	..	..	..	..	*299·2*	+ 0·7	12	− 30
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·6	1013·9	− 0·6	297·4	298·5	24th	291·5	290·5	27th	294·5	*295·4*	+ 0·4	0	0
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	299·2	301·6	30th	293·6	292·4	9th	296·4	*296·4*	+ 0·1	0	− 1
733	Dakar	14 40	17 26	32	1007·5	1011·2	..	300·8	307·1	19th	290·3	288·2	7th	295·5	*294·5*	− 0·5	0	0
734*a*	Bathurst	13 27	16 34	1·8	1014·2	1014·4	+ 0·8	302·8	309·1	10th	292·1	288·6	18th	297·4	*297·2*	− 0·3	0	0
735	Niénébalé	13 33	14 45	1·1	..	..	..	..	316·3	..	..	294·1	..	..	..	..	0	0
736	Timbuktu	12 57	7 26	300	..	..	..	312·1	315·2	7th, 15th	295·0	288·4	3rd	303·5	*304·0*	..	3	..
737	Sokoto	13 2	E 5 14	353	..	..	..	314·7	316·9	1, 9, 16	298·6	293·0	3rd, 4th	306·6	*306·2*	+ 0·8	14	+ 4
738	ϕKaduna Capital	10 32	7 25	637	942·3	1012·8	− 0·7	307·3	310·2	2nd, 15th	..	..	..	..	‡*300·4*	+ 0·5	41	− 52
739	Hadeija	12 40	10 5	?	..	..	..	315·7	318·6	10th	295·8	291·9	7, 10, 11	305·7	*305·3*	+ 0·6	0	− 9
740	Maiduguri	11 47	13 11	361	..	..	..	315·7	319·1	10th, 11th	298·7	295·2	10th, 18th	307·2	*306·8*	+ 0·9	34	+ 24
741	El Fasher	13 32	25 18	730	..	..	..	311·8	314·1	23rd	292·0	287·0	9th	301·9	*301·6*	..	0	..
743	El Obeid	13 11	30 14	569	943·6	1005·8	− 1·5	312·6	315·1	22nd	293·6	287·4	22nd	303·1	*303·0*	+ 1·6	2	+ 1
743*a*	Khartoum	15 37	32 33	390	962·6	1005·2	− 1·6	313·5	317·6	25th	295·8	292·4	3rd	304·7	*304·9*	+ 0·7	6	+ 6
744	Port Sudan	19 37	37 13	5·5	1007·9	1008·7	− 1·1	305·8	308·7	24th	295·2	290·6	2nd	300·5	*300·1*	+ 0·9	0	− 1
745	Berbera, Somaliland	10 22	45 2	9·5	1007·7	1000·8	− 2·7	305·4	308·0	28th	297·1	294·7	3, 6, 7	301·2	*301·4*	− 0·4	0	− 11
746	Aden	12 45	45 3	28·7	1007·5	1010·8	− 0·6	305·4	310·1	28th	298·8	296·4	6th	302·1	*301·1*	+ 0·6	0	− 5
751	Bombay	18 54	72 49	11·3	1008·2	1009·6	− 1·2	305·9	307·3	16th	299·3	297·6	13th	302·6	301·9	+ 1·2	0	− 1
752	Kodaikanal	10 14	77 28	2343	771·1	..	− 0·7	295·0	297·6	30th	284·7	282·2	21st	289·8	289·2	+ 0·6	56	− 52
752*a*	Bangalore	12 59	77 38	921	909·9	1008·5	− 0·5	308·7	311·4	30th	294·8	292·7	21st	301·7	*301·1*	+ 1·5	25	− 9
753	Madras	13 4	80 14	6·7	1008·2	1009·0	− 1·1	307·7	310·3	10th	299·2	297·1	7th	303·4	*302·9*	+ 0·9	0	− 13
754	Vizagapatam	17 42	83 19	11·6	1007·1	1008·4	− 1·2	306·4	309·3	30th	300·7	299·7	21st	303·6	*303·0*	+ 0·9	0	− 18
755	Port Blair	11 40	92 40	18·0	1007·7	1009·8	− 1·1	305·8	307·1	10th	298·9	297·6	13th	302·3	*301·7*	− 0·3	90	+ 27
756	Rangoon	16 46	95 48	5·5	1009·7	1010·3	− 0·4	308·2	310·8	1st	297·9	296·3	10th	303·1	*301·8*	− 0·5	55	+ 14
757	Saigon (Cap St. Jacques)	10 20	107 5	180	988·4	1008·8	+ 0·2	305·7	308·2	6th, 8th	298·0	296·2	10th, 22nd	301·9	*301·4*	+ 0·5	5	− 23
758	Nhatrang	12 15	109 12	3·6	1008·8	1009·2	− 0·7	303·2	305·7	19th	296·2	294·8	14th	299·7	*299·2*	− 0·6	14	− 5
759	Bolinao	16 23	119 53	7·1	..	1008·9	0·0	306·7	309·5	2nd	?297·2	?294·2	20th	?301·9	*301·2*	− 0·4	157	+130
761	Vigan	17 34	120 23	12·2	..	1008·9	− 0·1	306·3	307·7	3rd	298·0	296·2	1st	302·1	301·8	+ 0·6	7	− 12
761*a*	Manila	14 35	120 59	14·2	..	1009·2	− 0·7	307·7	309·2	15th	296·2	294·2	21st	301·9	301·3	+ 0·2	9	− 24
762	Ormoc	11 0	124 36	5·6	..	1008·3	− 0·5	306·2	308·0	18th	294·2	292·5	1st	300·2	*299·8*	+ 0·5	25	− 50
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1009·1	− 0·3	304·0	305·5	12th	297·4	295·7	22nd	300·7	*300·3*	+ 0·1	65	+ 19
		N.	E.															

Between Latitude 10° N. and 0°.																		APRIL—ZONE 8.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·2	1010·9	..	303·8	306·2	8th	298·2	296·1	29th	301·0	*300·6*	+ 0·4	275	−135
821	Colon	9 23	79 23	11·0	..	1011·0	− 0·4	303·1	304·7	17th	297·7	296·3	20th	300·4	*300·0*	+ 0·4	276	+167
822	Bogota	4 36	74 5	2645	745·2	..	..	292·5	296·6	23rd	283·5	280·6	2nd	288·0	*287·5*	..	42	−102
822*a*	Merida, Venez.	8 36	71 9	1641	‡840·7	..	− 0·7	298·7	302·5	10th	288·9	287·0	2nd	293·8	*292·6*	+ 0·8	202	+ 37
823	Ciudad Bolivar	8 9	63 33	38	1005·8	1010·1	..	308·7	309·9	8th	296·9	294·0	1st	302·8	*302·0*	..	1	− 21
824	El Peru, Guayanavieja	7 19	61 49	220	985·6	1010·3	− 0·5	306·9	307·9	21st	293·9	291·7	1st	300·4	*299·6*	+ 1·3	18	− 55
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·2	− 0·4	303·2	304·1	28th, 30th	297·6	295·8	3rd	300·4	*300·3*	+ 0·4	43	− 97
826	Paramaribo	5 49	55 9	3·7	‡1011·7	‡1012·1	− 0·8	305·0	306·1	16th	294·7	292·5	1st, 5th	299·9	*300·1*	+ 1·4	65	−159
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·4	308·0	25th	297·6	295·0	4th	301·0	*300·0*	+ 1·3	56	−425
831	10°—5° N. 30°—25° W.	†††7 6	††27 5	§(129-145)	..	1012·3	+ 0·1	..	..	Sea Temp. 298·6	−0·3	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1007·1	1008·9	− 1·2	306·2	308·0	11th	296·7	294·0	1st	301·5	*300·9*	0·0	7	− 19
834	Freetown, Sierra Leone	8 29	13 14	68·3	1002·7	1010·4	− 0·4	305·4	306·9	7th	297·3	294·7	20th	301·3	*300·5*	+ 0·3	69	− 34
835	Assuantsi	5 18	1 15	101	..	..	..	304·2	306·9	10th	294·9	293·0	6th	299·5	*298·9*	..	158	+ 21
836	Accra	5 33	W 0 12	27·0	1005·4	1008·4	..	304·7	306·9	9th	297·1	295·2	1st, 4th	300·9	*300·4*	+ 0·6	96	+ 3
837	Lagos	6 27	E 3 24	4·6	1007·4	1007·9	− 1·5	305·1	306·3	8th	298·7	295·2	11th	301·9	*301·2*	+ 0·7	192	+ 38
838	Zungeru	9 48	6 10	130	..	..	..	309·6	314·7	2nd	297·8	293·6	5th, 17th	303·7	*303·1*	+ 0·1	117	+ 59
839	Yola	9 12	12 30	259	..	..	..	309·7	314·1	1st	..	..	..	..	‡*302·3*	− 0·8	103	+ 44
841	Wau	7 42	28 3	440	..	..	..	308·3	311·5	7th	295·4	293·0	1st	301·8	*300·4*	− 1·3	138	+ 85
843	Malakal (Kodok)	9 35	31 37	394	..	..	..	310·6	314·1	4th	296·9	292·8	27th	303·8	*302·1*	− 0·8	18	− 4
843*a*	Mongalla	5 11	31 47	439	958·3	1007·0	+ 0·1	307·3	312·4	4th	295·4	293·2	6th	301·4	*299·4*	− 0·8	176	+ 70
844	ϕEntebbe	0 5	32 29	1171	882·6	1008·4	− 0·9	298·6	300·2	3rd, 4th	291·2	289·7	3rd, 13th	294·9	*294·4*	+ 0·1	376	+129
851	Minicoy	8 17	72 49	2·1	1009·3	1009·5	− 1·3	..	..	..	..	.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1009·1	1010·0	+ 0·5	303·4	303·8	sev. dates.	298·3	296·9	23rd	300·9	*300·2*	− 0·4	7	−111
924	ϕManaos	3 8	60 1	43·8	1004·0	1009·0	..	303·3	306·6	12th	296·2	294·8	6th, 7th	299·8	*298·9*	− 0·1	231	+ 9
926	Taperinha	2 30	54 20	20·0	1008·8	1011·2	− 0·2	303·2	305·0	12th	295·9	293·6	20th	299·6	*298·5*	+ 0·7	388	+ 82
927	Turyassu	1 43	45 26	9·1	1009·4	1010·6	0·0	303·1	306·4	27th	294·7	293·7	27th	298·9	*298·0*	− 0·3	554	+123
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	− 0·8	303·0	305·6	21st	294·4	293·8	21, 22, 28	298·7	*298·2*	+ 0·1	302	+190
929	Quixeramobim	5 16	39 15	207	987·9	1011·4	− 0·1	301·4	303·4	13th, 23rd	296·4	295·0	8th, 22nd	298·9	*298·6*	− 1·4	354	+231
930	Fernando Noronha	3 50	32 25	106	998·6	1010·5	− 0·9	301·2	303·0	6th, 7th	297·2	295·8	23rd	299·2	*298·7*	+ 0·2	287	+ 24
										Sea Temp.							
930*a*		5°—10° S.	35°—30° W.	§(54–58)	..	1008·5	..	..	..	301·0 | +0·4	..	..	..	..	300·4	..	..	..
930*b*		0°—5° S.	35°—30° W.	§(30–33)	..	1009·8	..	..	..	301·5 | +0·8	..	..	..	..	300·2	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1009·3	1011·2	− 1·7	303·6	304·7	21, 26, 28	297·8	296·9	sev. dates.	300·7	*300·1*	+ 0·7	143	+110
939	ϕLoanda	8 49	E 13 13	51	..	1009·5	− 1·1	303·0	305·9	2nd	296·6	294·5	14th	299·8	299·3	+ 0·4	174	+ 53
940	Brazzaville	4 17	15 16	321	976·0	1012·0	+ 1·2	305·2	308·0	15th	294·5	293·0	21st	299·9	*299·2*	0·0	403	+188
943	ϕMasaka	0 21	31 47	?1280	..	..	..	304·8	305·2	sev. dates.	..	..	..	..	*292·4*	− 0·3	246	+ 66
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	129	− 97
944*a*	Zanzibar	6 10	39 11	21·9	1010·8	1013·3	− 0·5	301·9	304·2	3rd	298·1	295·1	28th	300·0	*299·4*	− 0·2	398	+ 40
945	Lamu	2 16	40 50	3·0	..	..	..	303·6	305·8	6th	299·2	294·7	30th	301·4	*301·0*	+ 0·5	124	− 38
947	Seychelles, Port Office	4 37	55 27	4·6	1008·8	1009·4	− 1·3	302·7	303·8	24th	299·6	297·7	28th, 29th	301·1	*300·4*	+ 0·4	413	+236
957	Padang	0 56	100 22	6·7	..	1008·2	− 2·0	..	..	..	..	..	..	..	..	..	145	−223
958	Batavia	6 11	106 50	8·0	1008·1	1009·0	− 0·3	303·5	305·2	30th	296·7	295·4	2nd	300·1	299·5	+ 0·1	259	+128
958*a*	Pontianak	0 1	109 20	2·6	..	1009·4	− 0·3	..	..	..	..	..	..	..	..	..	391	+115
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	214	+ 83
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	218	− 4
962	Amboina	3 42	128 10	4·2	..	1009·0	0·0	..	..	..	..	..	..	..	..	..	170	−117
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	552	+271
965	ϕDaru	9 4	143 13	7·6	..	1009·2	− 0·7	302·2	..	..	297·3	..	..	299·7	*299·3*	− 0·2	605	+259
966	Port Moresby	9 29	147 9	39·0	..	1009·5	− 0·4	303·2	..	..	297·7	..	..	300·4	*300·0*	0·0	595	+491
967	Rabaul	4 9	152 12	20·7	..	1008·0	..	305·6	306·7	4th, 5th	295·9	294·7	20th	300·8	*300·2*	+ 0·5	115	−133
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1009·2	1009·5	+ 0·5	304·8	305·9	27th	297·4	296·6	17th, 23rd	301·1	*300·8*	+ 0·4	427	+174
970	Ocean Island	0 52	169 35	54·0	1006·0	1012·2	+ 1·9	304·1	305·2	29th	297·3	294·7	16th	300·7	*300·0*	− 0·2	2	−205
		S.	E.															

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+ 0·5	302·9	304·5	13th	296·5	295·2	6th	299·7	299·3	+ 0·2	211	− 47
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	302·7	305·2	1st, 14th	294·4	290·8	26th, 27th	298·6	*298·3*	− 0·2	328	+120
1021	Arequipa	16 22	71 33	2452	761·2	..	+ 0·2	293·4	296·7	8th	283·3	280·3	1st	288·3	*287·8*	+ 0·7	1	−
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	283·0	281·0	1st, 2nd	..	*292·0*	..	10	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	998·2	1011·2	+ 0·6	303·8	308·4	16th	291·9	286·2	3rd	297·8	*297·3*	− 1·1	20	− 8
1026	Cuyaba	15 36	56 6	165	991·7	1010·4	+ 0·2	305·1	308·2	16th	294·0	291·1	25th	299·6	*298·2*	− 0·2	101	− 1
1027	Bello Horizonte	19 55	43 57	895	914·0	1012·8	− 1·1	301·6	304·8	2nd	288·9	285·0	30th	295·2	*294·2*	+ 0·7	23	− 57
1028	Caetite	14 3	42 37	897	915·1	1013·7	0·0	299·7	303·1	24th	291·0	287·7	23rd	295·4	*294·6*	− 0·8	32	− 89
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·6	1010·9	− 1·9	302·1	304·0	14th	296·8	295·1	26th	299·4	*299·4*	+ 0·8	314	+ 15
1030	Aracaju	10 55	37 3	6·1	1011·9	1012·7	− 0·7	302·3	303·7	24th	294·5	294·5	13th	299·1	*299·2*	− 0·5	297	+160
										Sea Temp.							
1030*a*		15°—20° S.	40°—35° W.	§(57–59)	..	1011·8	..	..	..	300·0 | +0·2	..	..	..	..	299·9	..	..	..
1030*b*		10°—15° S.	40°—35° W.	§(42–45)	..	1011·1	..	..	..	301·1 | +0·9	..	..	..	..	300·6	..	..	..
1035	St. Helena	15 57	W 5 40	604	946·1	1014·5	+ 1·1	296·9	299·1	2nd	288·1	286·3	30th	292·5	*292·2*	+ 0·7	53	− 45
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	305·8	8th	..	291·0	25th	..	*298·4*	..	1	..
1041	Livingstone	17 51	25 51	972	907·9	1014·5	..	302·7	305·7	17th, 18th	286·3	283·9	30th	294·5	..	..	0	
1041*a*	Elisabethville	11 39	27 28	1236	878·0	1011·0	+ 0·8	..	302·8	11th	285·0	..	..	..	..	..	50	+ 6
1042	Gwelo	19 28	29 48	1417	..	..	..	297·6	302·4	19th	283·8	280·2	24th	290·7	..	..	0	− 16
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	854·8	1012·7	− 0·7	298·2	302·2	18th	283·2	279·7	24th	290·7	289·9	− 1·0	0	− 25
1044	Zomba	15 23	35 18	955	908·7	1014·5	+ 1·1	297·6	300·8	9th, 10th	287·9	285·2	16, 25, 27	292·7	*291·7*	− 1·0	14	− 79
1044*a*	Mossuril	14 57	40 40	15	..	1013·0	..	303·1	305·1	10th	294·1	292·5	13th	298·6	298·3	..	25	..
1045	Antananarivo	18 55	47 33	1375	864·3	1012·5	− 0·6	298·3	302·3	6th	285·4	280·5	9th	291·9	291·2	− 0·2	4	− 46
1046	Tamatave	18 10	49 24	5	..	..	..	300·5	302·5	..	293·0	283·0	..	296·7	*296·2*	..	305	..
1047	Vohémar	13 21	50 1	3	..	1007·2	..	305·5	308·2	..	295·1	293·0	..	300·3	*299·6*	..	81	..
1048	Antalaha	14 58	50 19	3	..	1009·4	..	..	..	..	..	..	..	..	..	..	218	− 4
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1011·3	1012·0	− 0·3	302·6	304·2	9th	298·7	296·8	17th	300·6	*300·3*	+ 0·2	201	− 28
1057	Christmas Island	10 25	105 43	5·5	1006·8	1007·4	− 0·6	303·3	305·8	7, 10, 12	297·2	295·2	24th	300·3	*299·6*	− 0·5	381	+179
1061	Kupang	10 10	123 34	45·1	..	1010·3	+ 0·4	304·9	306·7	2nd	294·9	291·4	28th	299·9	299·2	− 0·2	31	− 32
1061*a*	Derby	17 18	123 40	16·2	1010·4	1012·5	+ 1·1	308·1	311·2	19th	294·7	288·8	25th	301·4	..	− 0·2	0	− 40
1062	Hall's Creek	18 13	127 46	373	971·5	1013·1	+ 0·8	305·1	311·9	2nd	286·7	280·2	23rd	295·9	*295·4*	− 2·6	0	− 23
1063	Darwin	12 28	130 51	29·6	1006·7	1010·1	+ 0·9	307·2	309·7	19th	296·8	292·4	22nd	302·0	*300·8*	+ 0·1	10	− 94
1064	Daly Waters	16 16	133 23	211	986·3	1010·0	− 0·5	306·0	311·3	1st	290·0	282·4	11th	298·0	*297·5*	− 2·0	0	− 25
1065	Mein	13 13	142 47	122	994·0	1007·8	− 1·3	304·0	307·6	8th	293·4	288·1	23rd	298·7	*298·0*	− 0·4	94	+ 10
1066	ϕGeorgetown, Queensland	18 22	143 32	302	978·0	1011·8	− 0·2	303·9	308·6	2nd	292·1	278·0	22nd	298·0	..	− 0·6	5	− 30
1066*a*	Willis Island	16 18	149 59	8·5	1008·6	1009·6	..	301·3	303·1	4th	297·9	296·0	15th	299·6	*299·3*	..	353	..
1067	Samarai	10 37	150 40	15·2	..	1009·1	− 0·5	303·8	..	..	296·6	..	..	300·2	*299·9*	+ 0·4	146	− 99
1072	ϕSuva, Fiji	18 8	178 26	6·1	1011·5	1012·2	+ 0·2	302·5	304·4	2nd	295·3	290·8	26th	298·9	*298·6*	0·0	277	− 33
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	299·7	301·3	12th	293·9	290·8	30th	296·8	*296·5*	− 1·0	153	− 43
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·7	1015·9	+ 0·3	289·3	293·7	1st	284·7	283·5	sev. dates.	287·0	*286·9*	− 0·8	0	− 1
1122	Iquique	20 12	70 11	9	1013·5	1014·6	+ 0·3	293·3	296·2	4th	287·0	284·2	26th	290·1	*291·1*	− 0·3	0	0
1123	Catamarca	28 27	65 47	510	955·0	1013·0	+ 1·3	299·9	305·7	13th	285·6	277·8	2nd	292·8	*292·6*	− 0·9	11	− 7
1124	Salta	24 46	65 28	1178	883·9	1013·6	+ 1·3	295·8	301·4	15th	283·4	277·0	28th	289·6	*289·6*	− 1·0	9	− 21
1125	Goya	29 9	59 15	26	1012·2	1015·3	+ 2·6	297·4	305·6	9th	286·4	281·8	3rd	291·9	*291·2*	− 1·6	147	+ 28
1126	ϕAsuncion	25 17	57 41	93	1003·8	1014·6	+ 1·2	299·4	305·5	15th	288·4	282·9	24th	293·9	*293·3*	− 1·7	94	− 52
1127	Curityba	25 25	49 17	908	913·8	1015·0	− 1·0	297·3	302·4	1st	284·5	273·8	28th	290·9	*289·9*	+ 0·2	36	− 42
1128	Rio de Janeiro	22 54	43 10	18·3	1012·0	1014·1	− 0·7	301·3	307·7	1st	294·4	292·4	30th	297·8	297·3	+ 0·8	334	+228
										Sea Temp.							
1128*a*		25°—30° S.	50°—45° W.	§(78-84)	..	1014·5	..	..	..	295·7 | −0·7	..	..	..	..	295·1	..	..	..
1128*b*		20°—25° S.	45°—40° W.	§(43-46)	..	1012·8	..	..	..	298·5 | +0·6	..	..	..	..	298·2	..	..	..
1139	Windhoek																	
1141	Kimberley	22 34	E 17 5	1669	..	..	..	298·4	300·8	20th	286·9	283·9	28th	292·6	*292·6*	+ 0·7	7	− 32
1141*a*	ϕJohannesburg	28 42	24 47	1202	885·1	1017·3	+ 0·9	297·9	303·0	11th, 17th	283·2	279·6	10th	290·6	290·2	0·0	20	− 16
1142	Bulawayo	26 11	28 4	1806	825·5	1018·2	+ 1·0	293·8	297·1	12th	282·8	278·3	22nd	288·3	*288·0*	− 0·3	27	− 17
		20 9	28 35	1340	870·6	1016·6	+ 0·7	296·8	301·9	19th	284·2	281·3	5th	290·5	*289·8*	− 1·4	1	− 15
1143	Durban	29 52	31 3	15·2	1019·1	1020·9	+ 2·1	297·9	301·4	30th	290·8	288·4	19th	294·3	*293·7*	− 0·5	68	− 18
1144	Lourenço Marques	25 58	32 36	59	..	1019·0	+ 1·4	300·7	307·8	17th	290·7	288·2	23rd	295·7	295·0	− 0·8	30	− 17
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	288·3	286·6	..	..	..	..	26	..
1146	Fort Dauphin	25 2	46 58	25	..	1012·5	..	..	..	..	285·3	283·0	..	..	..	..	387	..
1147	Mauritius	20 6	57 33	55·2	1005·4	1011·8	− 2·2	300·4	303·4	10th	294·4	289·0	25th	297·4	297·1	0·0	79	− 35
1159	Onslow	21 43	114 57	4·3	1011·6	1012·7	+ 0·7	308·1	311·6	5th	290·4	284·1	28th	299·3	..	− 0·4	2	− 21
1160	Cue	27 27	117 52	454	966·0	1017·0	+ 1·9	303·3	308·0	19th	289·4	284·8	24th	296·3	..	+ 0·7	7	− 12
1161	ϕNullagine	21 53	120 5	386	971·4	1013·6	+ 0·8	305·8	310·8	1st, 3rd	287·6	280·9	23rd	296·7	..	− 1·4	0	− 26
1162	ϕLaverton	28 40	122 23	466	967·3	1020·3	+ 2·8	299·9	306·7	19th	285·1	281·2	29th	292·5	*292·5*	− 1·2	10	− 17
1163	Alice Springs	23 38	133 37	587	951·1	1017·5	+ 1·6	297·6	308·6	1st	281·2	274·9	24th	289·4	*289·6*	− 3·7	1	− 18
1164	William Creek	28 55	136 21	76·2	1012·1	1021·2	+ 3·0	297·3	305·8	6th	282·9	276·9	23rd	290·1	*289·8*	− 2·7	7	− 3
1164*a*	ϕBoulia	22 55	139 38	146	997·6	1014·5	+ 1·1	301·3	312·1	1st	287·9	281·4	21st	294·6	*294·8*	− 2·0	4	− 16
1165	Thargomindah	27 58	143 43	123	1002·5	1017·0	+ 0·8	296·8	306·3	1st	285·6	278·6	28th	291·2	*291·1*	− 3·6	20	− 1
1166	Mitchell	26 32	147 52	336	978·2	1016·3	+ 0·1	297·5	305·9	1st	282·1	274·7	22nd	289·8	..	− 2·6	29	− 8
1167	Rockhampton	23 24	150 30	11·3	1012·5	1014·0	− 1·5	300·8	305·2	1st	290·5	282·7	23rd	295·7	*295·0*	− 1·0	120	+ 62
1168	Brisbane	27 28	153 2	41·8	1011·2	1015·7	− 1·9	298·8	304·3	10th	288·9	282·9	22nd	293·9	*293·4*	− 0·4	68	− 22
1170	Norfolk Island	29 4	167 59	15·2	1014·8	1016·7	− 0·6	297·7	299·1	1, 5, 9	292·9	286·9	28th	295·3	*294·9*	+ 1·9	86	− 22
		S.	E.															

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	977·1	1017·7	..	290·4	295·1	28th	285·5	283·6	11th	287·9	*287·6*	..	78	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1003·0	1017·5	+ 1·6	289·1	291·5	8th	281·8	279·0	1st, 2nd	285·5	*285·9*	− 0·7	6	− 36
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1010·7	1015·6	− 0·3	292·4	298·0	27th	283·0	280·4	14th	287·7	*287·0*	− 1·1	0	− 13
1222*a*	Santiago	33 27	70 42	520	955·0	1015·5	+ 0·3	296·7	303·0	7th	279·1	275·3	2nd	287·9	*286·8*	+ 0·4	1	− 14
1223	Cordoba	31 25	64 12	423	965·8	1014·7	+ 0·6	298·4	307·6	14th	282·5	274·0	3rd	290·5	289·8	+ 0·1	128	+ 83
1224	Bahia Blanca	38 45	62 15	25	1010·8	1013·9	+ 0·6	292·3	297·8	8th	281·6	276·0	16th	287·0	*286·5*	− 1·8	70	+ 13
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1012·6	1015·5	− 0·5	294·9	302·0	14th	281·9	276·5	12th	288·4	288·2	− 1·1	19	− 69
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1013·5	− 1·7	..	297·2	9th	..	281·0	17th	..	*288·8*	− 2·0	50	− 65
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1012·5	1015·3	− 0·7	296·2	304·4	9th	285·1	280·2	28th	290·7	290·5	− 2·9	52	− 62
										Sea Temp.							
1226*b*		30°—35° S.	55°—50° W.	§(77-83)	..	1015·9	..	..	..	291·0 | −2·4	..	..	..	..	290·4	..	..	..
1239	ϕCape Town																	
1240	Danger Point	33 56	E 18 29	12·2	..	1017·2	+ 0·8	296·8	307·2	6th	286·2	281·1	10th	291·5	*289·7*	+ 1·2	22	− 25
1241	Riversdale	34 37	19 18	27·7	1013·7	1017·0	..	293·6	299·1	6th	285·8	279·1	10th	289·7	..	+ 0·3	24	− 17
1242	East London	34 6	21 16	?100	..	..	..	..	..	..	..	..	..	..	..	..	26	− 17
		33 2	27 55	44·8	..	1018·6	+ 1·7	295·8	299·1	23rd	287·1	282·7	10th	291·5	..	− 0·3	24	− 44
1259	Perth (Observatory)	31 57	115 51	60·0	1012·7	1019·7	+ 1·3	299·9	305·9	11th	288·2	282·1	2nd	294·1	*293·9*	+ 1·8	8	− 34
1260	Katanning	33 42	117 35	310	984·8	1021·1	+ 2·4	297·4	305·2	4th	283·1	276·3	2nd	290·2	..	+ 0·9	4	− 26
1261	ϕCoolgardie	30 57	121 10	423	972·6	1021·1	+ 2·6	298·3	307·4	18th	284·6	280·2	27th	291·4	*291·4*	+ 0·1	11	− 13
1262	Eucla	31 45	128 58	4·6	1022·0	1022·6	+ 3·8	294·3	302·9	30th	285·7	280·2	11th	290·0	*289·5*	− 1·8	0	− 28
1263	ϕStreaky Bay	32 48	134 13	13·1	1021·7	1023·1	+ 3·0	295·2	303·0	6th	283·4	278·6	3rd, 4th	289·3	*288·7*	− 1·4	5	− 21
1264	Adelaide	34 56	138 35	42·7	1017·1	1022·2	+ 2·2	293·1	301·9	7th	283·4	280·0	27th	288·3	*287·9*	− 2·4	37	− 7
1265	Melbourne	37 49	144 58	35·1	1015·1	1019·2	− 0·3	290·4	300·2	1st	282·9	279·3	10th	286·7	*286·4*	− 1·6	93	+ 38
1266	Bourke	30 13	145 58	110	1007·3	1020·6	+ 0·2	298·0	304·1	18th, 19th	283·2	278·0	22nd, 28th	290·6	..	− 2·7	15	− 15
1267	Sydney	33 51	151 13	42·1	1010·9	1016·0	− 2·4	294·8	300·9	9th	286·6	282·2	27th	290·7	*290·3*	− 0·5	180	+ 40
1268	Lord Howe Island	31 20	159 0	4·6	1015·0	1015·6	− 3·4	296·6	299·2	9th	290·6	285·2	25th	293·6	..	+ 0·3	201	+ 65
1271	Auckland	36 50	174 50	38·1	..	1017·3	− 1·3	294·7	298·2	1st	288·7	283·9	27th	291·7	..	+ 2·5	293	+207
1272	ϕNapier	39 29	176 55	1·5	..	..	..	293·1	300·5	4th	285·6	278·0	28th	289·3	..	+ 1·5	77	+ 4
		S.	E.															

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1015·1	..	..	..	..	..	..	..	..	..	..	72	− 11
1321	ϕIsla Guafo	43 34	74 45	140	998·8	1015·7	+ 1·6	286·2	288·8	3rd	282·0	280·2	9th, 11th	284·1	*284·1*	+ 0·6	73	− 35
1322	Punta Galera	40 1	73 44	40	1013·4	1018·3	+ 2·3	286·6	289·8	6th	282·4	279·2	1st	284·5	*284·8*	− 0·3	175	− 45
1323	Sarmiento	45 30	69 0	274	978·3	1009·4	− 1·3	290·0	295·3	12th	278·6	267·9	23rd	284·3	*284·0*	+ 0·4	8	− 3
1324	Puerto Madryn	42 49	W64 58

APRIL—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	997·2	1003·9	+ 2·1	282·2	283·8	2nd, 24th	278·7	276·4	30th	280·5	*280·3*	+ 0·2	233	— 53
1422	Puerto de Punta Arenas	53 10	70 54	28	999·0	1002·4	+ 1·1	282·4	285·1	12th	277·5	275·5	3rd	279·9	*280·1*	+ 0·5	56	+ 16
1423	ϕPunta Dungeness	52 24	68 26	5	1001·4	1002·0	+ 0·9	..	..	..	277·8	275·5	24th	..	*280·7*	— 0·2	34	+ 9
1424	Santa Cruz	50 11	68 21	12	1003·3	1004·2	— 0·2	286·0	292·1	17th	277·4	272·0	3rd	281·7	*281·8*	0·0	21	+ 6
1424a	Año Nuevo	54 39	64 8	50	993·5	999·6	+ 2·4	280·6	282·8	8th	276·1	270·8	18th	278·3	*278·2*	— 0·7	134	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1001·3	..	280·6	283·6	30th	275·2	271·9	7th	277·9	..	..	70	+ 10
1426	Cape Pembroke	51 41	57 42	21·3	998·8	1001·3	0·0	280·3	284·1	30th	275·4	273·0	3rd	277·8	278·4	— 1·3	..	..
1429	S.Georgia (Cumberland Bay)	54 14	36 33	4	998·6	999·1	+ 3·2	275·1	281·7	2nd	269·5	264·1	24th	272·3	*273·0*	— 2·4	47	— 87
		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	999·3	1000·2	+ 9·6	270·0	276·7	27th	263·9	251·0	20th	266·9	267·2	— 2·8	28	— 16
		S.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. 21h.	Malden Island. 905. Direction and Force (Beaufort). 9h.	Malden Island. 905. 20h.	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 8h.	Ocean Island. 970. 20h.	Suva, Fiji. 1072. Direction and Force (Beaufort). 8½h.
	9h.	m/s	9h.										
1	SE	3·9	E 4	NE 2	WSW 5	SE 3	Calm 0	E 1	SEbyE2	Calm 0	E 1	E 1	Calm 0
2	SE	3·0	E 3	ENE 1	WSW 3	NE 1	Calm 0	EbyS 2	EbyS 1	SE 2	ENE 2	E 1	NE 1
3	Calm	0·7	E 1	Calm 0	WSW 4	Calm 0	Calm 0	EbyS 1	Calm 0	SE 2	Calm 0	Calm 0	Calm 0
4	Calm	0·2	E 3	NW 2	SW 6	SE 1	Calm 0	EbyS 1	E 1	SE 2	E 1	Calm 0	SE 1
5	SE	1·6	ESE 2	W 2	WSW 6	W 2	W 1	E 3	E 2	SW 2	ENE 2	E 1	E 2
6	SE	4·9	E 3	WSW 2	WSW 3	Calm 0	Calm 0	E 2	E 1	SE 1	E 3	E 3	ENE 4
7	SE	6·1	E 3	WSW 2	SW 5	W 1	Calm 0	E 1	E 3	Calm 0	E 3	E 1	E 1
8	SSE	7·9	E 3	WNW 2	SW 4	S 1	Calm 0	EbyN 2	EbyN 1	Calm 0	E 1	E 1	Calm 0
9	SE	8·8	E 4	WNW 2	SSW 2	W 1	NW 1	E 2	Calm 0	SE 1	E 2	E 1	NE 1
10	SE	5·3	Calm 0	NE 1	SW 4	S 1	Calm 0	EbyS 1	EbyS 1	SE 1	E 1	NE 2	Calm 0
11	SE	5·2	E 4	SW 1	WSW 3	E 2	SW 1	E 1	E 1	SE 2	ENE 2	NE 2	SW 3
12	ESE	4·8	E 3	WNW 2	WSW 2	S 1	Calm 0	EbyN 1	EbyN 1	Calm 0	E 2	Calm 0	NW 2
13	SE	5·0	E 2	W 1	SW 2	NW 1	Calm 0	EbyN 2	NE 1	Calm 0	ENE 1	Calm 0	NNE 1
14	ESE	7·8	E 2	WSW 1	SSW 3	W 1	SW 1	NE 2	NE 1	Calm 0	E 2	E 2	NNE 1
15	SE	10·8	E 3	ENE 2	WSW 3	SW 2	Calm 0	NE 2	NE 1	SE 1	E 2	ENE 2	Calm 0
16	SE	7·6	ESE 1	W 1	W 2	SE 2	Calm 0	EbyN 1	E 1	SW 1	ENE 2	NE 2	NNW 1
17	ESE	8·7	E 1	W 4	WSW 5	NE 2	W 1	E 2	E 1	Calm 0	NE 2	E 1	NE 1
18	ESE	7·9	E 2	WSW 1	WSW 1	Calm 0	Calm 0	E 1	E 1	..	E 1	E 1	NE 1
19	SE	7·5	ESE 2	NE 2	NW 3	SW 1	Calm 0	EbyN 1	E 1	..	E 1	Calm 0	Calm 0
20	SE	7·4	E 4	ENE 1	WSW 4	W 1	Calm 0	EbyS 2	EbyS 2	SE 2	Calm 0	Calm 0	Calm 0
21	SE	2·6	E 4	NE 1	W 1	E 1	NW 2	EbyS 2	E 1	SE 2	ENE 2	E 3	S 1
22	SE	3·2	E 4	NE 1	W 4	SW 2	Calm 0	E 1	E 1	..	E 2	E 1	NE 1
23	Calm	2·9	E 4	NW 1	WSW 1	NW 1	Calm 0	EbyN 1	EbyN 1	SE 2	E 1	Calm 0	NW 1
24	SE	5·6	Calm 0	NE 1	WSW 4	S 1	SE 1	E 1	NbyE 1	SE 2	E 2	E 2	NNE 1
25	SE	6·6	E 3	NW 1	N 2	S 1	S 2	NE 1	Calm 0	SE 4	E 2	E 2	N 2
26	SSE	2·6	E 3	ENE 1	SW 4	Calm 0	Calm 0	EbyN 1	EbyN 1	SE 1	E 2	E 2	Calm 0
27	SE	2·4	Calm 0	WSW 2	SW 5	SW 1	SE 1	Calm 0	Calm 0	Calm 0	E 2	E 2	N 2
28	Calm	1·3	ESE 2	SW 4	WSW 3	Calm 0	Calm 0	EbyN 1	EbyN 1	Calm 0	E 2	E 2	Calm 0
29	SE	2·9	ENE 1	WNW 1	W 1	Calm 0	Calm 0	E 2	E 1	SE 2	E 2	E 3	E 1
30	SE	5·4	E 2	E 3	S 1	SW 1	Calm 0	E 1	E 1	SE 1	E 2	E 2	NNE 2
Mean	..	5·0	2·4	1·6	3·2	1·1	0·4	1·4	1·0	1·1	1·7	1·3	1·7
§Resultant	135°(83)	..	95°(88)	260°(49)		215°(21)		85°(87)		140°(59)	85°(82)		40°(39)
§Normal	138°(89)	6·6	‖78°(77)	277°(35)		250°(41)		‖‖81°(78)		125°(36)	‖100°(47)		91°(53)

‖Normal refers to ½ (9+21). ‖‖Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1924.

‡‡*White Sea.*—Close ice was encountered off Gorodetski lighthouse at the mouth of the sea, and open ice between Cape Kanin, Cape Sviatoj and lat. 69° N.

‡‡*Barents Sea.*—In the northern part the scattered ice edge was lying along lat. 75° or more northerly than usual. On the 27th the sea became free of ice off Mollers Bay, Novaya Zemlya, while the bay itself was covered with firm ice. There was scattered drift ice at Bear Island from the 1st to 7th and 22nd to 30th and close ice from the 7th to 21st. The area covered was 1090 × 10^3 sq. km. as compared with a normal of 1155 × 10^3 sq. km.

‡‡*Spitsbergen.*—The edge of close and scattered ice extended from about 70 miles south west of Bear Island to Cape Cold (Prince Charles Foreland) leaving a land water 14-20 miles wide from there to Horne Sound. North of Cape Cold the west coast was free of ice. Advent Bay and King's Bay were free of ice, Green Harbour had drift ice and Icefjord became free of ice during the month. In Bell Sound the ice was broken.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 6 days visible and 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock young ice was lying along the coast and the old edge was 14 miles offshore. Between 75° N and 70° N. the heavy close edge was 140 miles offshore but outside this there was a belt, about 70 miles wide, of winter ice and icebergs. The area covered was 1030 × 10^3 sq. km. as compared with a normal of 1157 × 10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—Two icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 78. There was also much less ice. In Belle Isle Strait there were many icebergs and much pack. In the Gulf of St. Lawrence there was still drift ice and Northumberland Strait was filled with ice.

‡‡*Davis Strait and Baffin Bay.*—An unusually wide ice belt extended from 59° N. 41° W. along the west coast of Greenland to 65° N., though there was a land water about 12 miles wide from south of Arsuk to Fiskernaes. A mass of "Storis" was met with off Sukkertoppen. During the first days the ice drifted away from Holstensborg but north of here it was lying close inshore. Navy Board Inlet was covered with firm ice. Early in the month Lancaster Sound was filled with drift ice but later became free of ice. There was firm ice along the east coast of Baffin Land except at a few places.

‡‡ *Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE
FOR THE MONTH OF MAY, 1924
BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MAY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1022·7	..	266·3	273·6	31st	259·9	253·0	16th	263·1	..	— 3·5	7	0
125	Upernivik	72 47	56 7	19·2	1017·5	1019·9	+ 3·9	277·0	282·3	21st	269·7	265·0	11th	273·3	*272·8*	+ 3·8	4	— 10
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	1021·8	1022·5	..	272·1	278·8	31st	262·9	256·2	2nd	267·5	*268·1*	..	5	..
135	Jan Mayen	70 59	W 8 18	23·1	1013·7	1016·6	..	..	277·6	19th	270·5	266·9	2nd	..	*272·8*	..	11	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1016·1	1017·6	+ 1·4	..	278·6	7th	267·2	259·6	6th	..	270·6	+ 2·5	2	— 10
140	Björnöen	74 28	19 17	40·5	1008·9	1014·1	..	..	275·0	6th	269·7	267·6	5th	..	*270·9*	..	6	..
141	Gjesvaer	71 6	25 22	6·5	1011·3	1012·1	— 2·3	..	281·7	5th	274·6	272·0	22nd	..	*276·7*	+ 1·1	43	— 5
142	Mehavn	71 1	27 47	10·2	1011·4	1012·7	— 1·2	..	281·1	30th	273·4	271·4	3rd	..	*275·7*	+ 0·4	22	— 19
143	ϕVardo	70 22	31 8	6·8	1012·0	1012·8	— 1·9	..	279·4	30th	273·4	271·2	4th	..	*275·6*	+ 0·9	21	— 14
147	Malye Karmakouly	72 23	52 43	15·3	1009·0	1010·9	— 2·1	274·0	280·2	1st	270·5	266·9	13th	272·2	*271·8*	+ 2·9	23	+ 10
148	Waigatz	70 24	58 47	11·2	1008·6	1010·0	..	275·9	282·6	4th	269·1	263·0	7th	272·5	*271·2*	..	18	..
153	Dickson	73 30	80 23	13	1012·0	1013·7	..	269·7	273·7	27th	263·9	256·0	1st	266·8	..	..	2	..
		N.	E.															

Between Latitude 70° N. and 60° N. **MAY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1012·8	+ 2·0	278·0	288·0	24th	269·4	255·8	1st	273·7	*274·2*	— 0·7	9	— 11
204	Candle	65 55	161 57	2·4	..	..	..	274·4	284·1	30th	263·3	251·9	2nd, 3rd	268·9	..	— 5·0	..	..
205	Tanana	65 10	152 6	67·1	..	1012·5	— 1·2	287·1	295·8	27th, 31st	273·5	261·3	1st	280·3	*280·9*	+ 0·5	17	— 4
206	Rampart	65 30	150 15	114	..	..	..	285·7	295·8	27th	273·1	265·8	7th	279·4	..	— 0·7	3	— 9
207	Valdez	61 7	146 16	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
208	Eagle	64 46	141 12	254	..	1011·8	+ 1·1	287·5	295·2	27th	274·1	268·6	6th, 10th	280·8	*281·4*	+ 0·7	12	— 9
209	Dawson	64 4	139 29	324	972·7	1011·5	+ 1·1	287·4	294·1	27th	275·2	269·7	10th	281·3	..	+ 0·4	30	+ 7
210	Carcross	60 11	134 34	662	..	..	..	285·2	290·2	13th	272·2	266·9	6th	278·7	..	+ 0·3	20	+ 9
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	997·6	1014·5	+ 1·0	290·8	303·0	13th, 14th	274·3	265·2	18th	282·6	..	+ 3·6	14	— 35
213	ϕHay River	60 51	115 20	161	995·9	1015·7	+ 1·9	284·6	301·9	13th	274·1	265·2	11th	279·3	..	+ 2·5	20	+ 1
225	Jacobshavn	69 13	51 2	31·6	1014·2	1018·2	+ 4·0	277·1	284·6	31st	271·4	266·8	16th	274·3	*274·7*	+ 2·0	16	+ 2
226	Godthaab	64 11	51 43	20·4	1012·8	1015·3	+ 3·5	..	..	..	273·8	270·1	7th	..	*276·4*	+ 2·7	5	— 37
227	Ivigtut	61 12	48 10	5·0	1015·8	1016·4	+ 4·6	282·7	285·9	31st	275·0	272·0	6th	278·9	*279·2*	+ 1·7	19	— 72
229	Angmagsalik	65 37	37 33	29·3	1015·4	1019·1	+ 3·9	278·1	282·3	23rd	269·4	263·3	3rd	273·7	*273·1*	— 0·7	3	— 63
231	Stykkisholm	65 5	22 46	25	..	1015·2	+ 1·6	279·1	282·5	21st	273·0	267·9	3rd	276·1	*275·9*	— 1·4	8	— 27
232	Vestmanno	63 24	20 17	132	..	1012·0	— 0·7	282·6	291·3	18th	274·6	268·2	3rd	278·6	*277·3*	— 1·4	98	+ 18
233	Grimsey	66 33	18 1	22·0	..	1015·4	+ 0·7	275·8	279·3	31st	272·6	266·8	3rd	274·2	*273·5*	— 1·2	16	+ 2
234	Teigarhorn	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Thorshavn	64 41	14 22	18·0	..	1013·6	— 0·3	280·1	284·9	16th	273·6	267·6	3rd	276·9	*276·8*	— 0·4	63	— 8
236	Lerwick	62 3	6 45	26·3	1007·6	1010·9	— 3·5	281·3	285·4	12th	275·5	270·0	3rd	278·4	*278·4*	— 1·6	26	— 59
237	ϕBergen (Met. Obs.)	60 9	W 1 11	18·0	..	1010·9	— 2·8	282·3	288·6	23rd	278·4	273·0	4th	280·4	*280·3*	+ 0·1	85	+ 32
238	Aalesund	60 24	E 5 19	44·4	1005·7	1011·1	— 2·7	284·1	289·3	21st	278·5	274·3	5th	281·3	*281·0*	— 1·1	90	+ 1
239	ϕTrondhjem	62 28	6 10	6·3	1010·8	1011·6	— 2·4	..	287·2	23rd	278·1	274·0	4th	..	*280·2*	— 0·6	62	+ 1
240	Bodö	63 26	10 25	37·0	1007·4	1011·9	— 2·8	284·4	290·3	12th	277·2	273·0	2nd	280·8	*280·4*	— 0·3	50	+ 12
241	Haparanda	67 17	14 24	22·3	1008·5	1011·2	— 2·8	..	285·6	12th	276·8	274·7	21st	..	*279·2*	+ 0·4	41	— 10
242	Helsingfors	60 10	24 57	11·7	1013·5	1014·9	— 0·3	285·1	292·2	29th	277·5	271·2	1st	281·3	*281·3*	+ 0·5	66	+ 21
242a	Kuopio	62 54	27 40	90·3	‡984·7	‡1013·0	— 1·3	284·2	289·5	28th	275·6	271·4	1st	279·9	*280·1*	— 0·1	74	+ 33
243	Kola	68 53	33 1	6·7	1012·3	1013·1	— 1·7	279·1	285·5	5th	273·1	269·1	23rd	276·1	*276·1*	— 0·4	30	+ 7
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1012·6	1013·4	— 0·6	282·8	289·7	27th	275·5	271·6	22nd	279·2	*278·9*	+ 0·9	88	+ 58
246	Mezen	65 50	44 16	14·9	1010·7	1012·5	— 1·2	280·2	288·5	6th	273·6	270·8	18th, 24th	276·9	*276·6*	+ 0·3	72	+ 47
247	Oust-Tsylma	65 25	52 18	268	1002·6	1011·0	— 2·4	280·5	291·2	8th	273·9	270·0	23rd	277·2	*276·8*	+ 1·4	31	— 4
248	Teherdyn	60 24	56 31	?177	989·5	1011·0	— 2·9	286·2	296·4	8th	277·2	271·1	24th	281·7	*281·0*	0·0	68	+ 17
249	Berezov	63 56	65 4	39·5	1006·8	1011·7	— 2·0	282·5	293·5	3rd	..	..	..	..	*278·1*	+ 2·7	22	— 15
250	ϕObdorsk	66 31	66 36	35·2	1007·8	1012·2	— 1·3	..	281·7	4th, 28th	271·8	265·1	2nd	..	*274·8*	+ 4·1	30	+ 11
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1006·0	1010·9	— 2·2	..	293·1	4th	275·3	270·6	2nd, 8th	..	*279·9*	+ 3·3	84	+ 49
253	Doudinka	69 23	86 4	20·0	1008·6	1011·1	+ 0·7	..	277·9	25th, 26th	266·9	254·3	3rd	..	*270·7*	+ 3·8	24	+ 12
254	Touroukhansk	65 47	87 57	45·0	1005·5	1011·1	— 1·6	..	285·5	24th	271·4	260·0	2nd, 3rd	..	*275·7*	+ 3·9	32	+ 8
261	Vilionisk	63 45	121 35	120	..	..	..	..	289·2	17th	271·0	257·4	2nd	..	*276·0*	— 1·0	21	— 2
262	ϕIakoutsk	62 1	129 43	108	996·8	1010·2	+ 1·0	..	291·7	18th	272·0	261·9	2nd	..	*277·2*	— 1·4	24	+ 7
263	Verkhojansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105.
ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	279·4	283·6	13th	274·5	269·7	6th	276·9	..	..	55	..
302	St. Paul Island	57 15	170 10	21·3	..	1011·5	+ 0·3	275·7	280·8	26th	271·1	263·0	2nd	273·4	..	— 1·0	28	— 12
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·4	— 5·4	281·1	288·0	14th	275·3	269·7	1st	278·2	277·7	+ 0·4	117	— ..
304	Port Moller	55 56	160 30	5·5	..	..	..	280·7	289·1	17th, 19th	274·7	269·1	3rd	277·7	..	..	15	..
305	Dillingham	59 0	158 28	24·4	..	..	..	281·3	289·1	30th	274·0	265·8	6th	277·7	..	— 0·2	82	+ ..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1010·5	— 1·0	281·6	288·0	17th	277·2	273·6	sev. dates.	279·4	279·2	+ 0·6	53	— 7
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 18	††147 26	§(23)	..	1011·8	— 0·7	..	..	278·6| 0·0	..	..	..	..	278·6	— 0·6	..	..
309	Sitka	57 3	135 19	27·4	..	1015·9	+ 0·7	286·1	291·3	12th	277·9	273·0	2nd, 4th	282·0	282·1	+ 0·8	93	— ..
310	Prince Rupert	54 18	130 18	51·8	1012·0	1018·3	+ 3·1	287·4	299·1	12th	278·6	273·0	9th	283·0	282·9	+ 1·2	193	+ 5
311	Barkerville	53 2	121 35	1274	870·1	1014·2	+ 2·6	287·4	296·9	14th	273·6	268·6	4, 5, 10	280·5	280·2	+ 1·0	72	+ 5
312	ϕKamloops	50 41	120 29	385	972·2	1017·0	+ 1·3	298·9	308·0	14th	281·8	274·8	7th	290·3	290·1	+ 2·9	17	— 1
313	Calgary	51 2	114 2	1045	895·6	1014·0	+ 2·9	293·6	304·7	14th	276·3	270·8	6th	284·9	284·1	+ 2·4	23	— 1
314	Fort Chipewyan	58 42	111 10	218	989·1	1015·7	+ 2·1	285·8	299·7	14th	273·0	261·3	12th	279·4	280·3	— 0·6	3	— 1
315	Prince Albert	53 10	105 38	442	964·5	1017·4	+ 5·5	290·2	299·7	14th	273·6	267·4	18th	281·9	281·6	— 0·9	1	— 4
316	Qu'Appelle	50 30	103 47	645	938·9	1015·1	+ 3·1	288·0	296·9	15th	273·0	266·9	23rd	280·5	280·6	— 2·6	14	— 4
317	Minnedosa	50 15	99 50	515	953·9	1015·4	+ 2·0	287·1	298·6	11th	273·1	265·8	19th	280·1	279·8	— 2·8	2	— 6
318	Berens River	52 18	97 23	216	..	..	..	285·6	293·0	12th, 15th	269·0	261·9	3rd, 6th	277·3	..	— 1·8	..	..
318a	Port Nelson	57 0	92 51	14·9	1012·7	1014·5	— 2·8	277·5	285·8	11th	271·1	262·4	2nd	274·3	..	+ 1·1	8	— 1
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1007·1	1008·2	— 6·9	282·4	296·9	16th	273·1	266·3	2nd	277·8	..	— 0·9	35	— 1
321	Fort George	53 50	79 5	97·5	..	..	..	278·6	288·6	11th	271·7	265·8	3rd	275·1	..	..	37	..
322	Mistassini Post	50 15	73 55	383	..	..	..	281·1	288·0	17th	270·2	260·8	3rd	275·6	..	— 2·6	91	+ 5
										Sea Temp.							
324	Natashquan	50 8	61 48	6·1	..	..	..	283·1	288·6	16, 22, 26	273·9	268·0	1st	278·5	..	+ 0·8	137	+ 5
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.							
331	55°—50° N. 30°—25° W.	††52 19	††27 27	§(41–46)	..	1006·2	..	..	..	283·1 —0·3	..	..	..	..	..	..	..	..
333	53°—48° N. 20°—15° W.	††49 53	††17 37	§(22–26)	..	1013·4	..	..	..	284·9 —0·2	..	..	..	..	283·2	..	..	..
333a	62°—57° N. 20°—15° W.	††59 21	††17 19	§(48)	..	..	..	..	..	281·8 —0·3	..	..	..	..	285·4	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1008·9	— 6·6	286·7	291·3	31st	281·9	275·8	4th	284·3	284·2	— 0·1	91	+ ..
335	Aberdeen	57 10	W 2 6	26·8	..	1009·2	— 5·6	283·6	290·2	27th	278·6	273·0	6th	281·1	281·1	— 0·5	123	+ ..
336	Greenwich	51 28	0 0	46·3	..	1012·3	— 3·2	291·9	299·1	19th	281·1	275·2	5th	286·5	285·8	+ 1·1	68	+ ..
337	Uccle	50 48	E 4 22	100	1001·8	1013·7	— 1·6	293·5	302·0	14th	282·3	276·0	6th	287·9	287·1	+ 1·8	82	+ ..
338	De Bilt	52 6	5 11	3·0	1012·9	1013·3	— 2·0	291·1	301·2	15th	281·5	274·6	10th	286·3	286·3	+ 1·4	70	+ ..
338a	Hamburg	53 33	9 58	40·3	1009·0	1013·8	— 1·1	290·6	299·7	15th	282·3	274·0	5th	286·5	286·4	+ 1·5	114	+ ..
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1014·2	1014·8	— 0·3	287·6	297·4	15th	279·9	274·3	5th	283·7	283·7	+ 0·9	54	+ ..
340	Potsdam	52 23	13 4	84·9	1005·1	1015·3	+ 0·2	293·3	301·8	15th	282·3	273·3	5th	287·8	287·4	+ 1·7	52	+ ..
340a	Uppsala	59 51	17 38	24	1010·5	1013·4	— 1·0	287·0	293·3	15th	277·8	271·5	2nd	282·4	282·3	0·0	78	+ ..
341	Warsaw	52 13	21 3	89·9	1005·9	1016·7	+ 0·5	293·3	301·8	16th	283·3	276·0	3rd	288·3	288·1	..	53	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1007·0	1016·1	+ 1·8	289·6	300·8	12th	279·1	271·6	2nd	284·4	284·0	+ 1·1	49	+ ..
343	Leningrad	59 56	30 16	4·8	1014·8	1015·4	+ 0·9	286·8	298·4	31st	278·1	272·3	8th	282·4	282·4	+ 0·3	100	+ ..
344a	Moscow	55 50	37 33	167	997·5	1017·5	+ 2·1	291·3	300·5	31st	285·3	276·7	2nd	291·1	290·7	+ 3·0	25	— ..
345	Saratov	51 33	45 57	122	1004·4	1018·9	+ 3·3	297·0	305·9	10th	280·9	274·4	23rd	286·1	286·1	+ 1·3	73	+ ..
346	Kazan	55 47	49 8	79·9	1007·8	1017·4	+ 1·5	292·7	300·0	28th	283·6	275·8	23rd	290·3	290·4	+ 3·6	3	— ..
347	Orenburg	51 45	55 6	109	1005·2	1018·3	+ 1·8	295·0	303·9	7th	282·0	274·7	23rd	287·4	286·8	+ 0·8	45	— ..
348	Perm	58 1	56 16	163	995·1	1014·8	— 0·3	289·1	299·3	28th	279·8	273·3	1st	287·4	288·1	+ 0·6	15	— ..
										8th	278·2	273·3	24th	283·6	283·5	+ 0·5	54	— ..
349	Sverdlovsk	56 50	60 38	281	980·2	1013·9	— 0·5	288·9	299·0	19th	277·4	271·7	2nd	283·2	282·9	0·0	28	— ..
350	ϕTobolsk	58 12	68 14	108	999·6	1012·7	— 2·2	288·4	295·3	4th	278·0	273·3	16th	283·2	282·7	+ 0·6	59	— ..
351	Akmolinsk	51 12	71 23	347	..	..	..	289·6	300·2	22nd	277·8	269·4	9th	283·7	283·8	— 2·0	73	— ..
352	Omsk	55 1	73 19	108	999·6	1012·6	— 2·3	289·6	299·7	23rd	278·3	272·0	3rd	284·0	284·0	0·0	21	— ..
353	Barnaoul	53 20	83 48	162	994·4	1013·8	— 1·8	291·1	304·6	24th	279·3	269·0	5th	285·2	285·2	+ 1·3	60	— ..
354	Tomsk	56 30	84 58	122	997·0	1011·8	— 2·5	..	302·4	25th	277·9	269·0	5th	..	283·5	+ 2·4	59	— ..
355	Minousinsk	53 43	91 41	248	984·7	1014·3	— 0·5	..	305·2	25th	277·8	268·2	6th	..	285·5	+ 2·1	16	— ..
356	Eniseisk	58 27	92 10	77·6	1001·8	1011·1	— 1·5	..	299·2	24th	276·2	265·0	2nd	..	282·2	+ 2·2	51	— ..
357	Irkutsk	52 16	104 19	467	958·2	1013·5	— 0·5	290·4	303·3	26th	275·1	264·7	4th	282·7	282·9	+ 1·7	5	— ..
358	ϕKirensk	57 47	108 7	278	979·5	1013·0	+ 1·2	..	298·1	19th	272·7	261·4	4th	..	280·5	+ 0·3	22	— ..
359	ϕTchita	52 2	113 30	674	931·1	1009·2	+ 0·2	..	..	..	274·7	265·2	1st	..	283·2	+ 2·2	11	— ..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor)	50 16	127 30	142	991·6	1008·6	+ 1·4	290·2	299·8	21st	277·8	269·5	5th	284·0	284·0	+ 0·4	22	— ..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1004·3	‡1006·0	— 3·9	277·3	280·0	31st	274·3	271·0	11th	275·8	275·4	— 0·2	32	— ..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and 10
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria B.C.	48 24	123 19	70·1	1009·8	1018·3	+ 1·6	289·9	301·4	12th	281·3	276·0	3rd	285·6	284·9	+ 0·9	2	— 27
412	Portland, Oregon	45 32	122 41	46·6	1012·7	1017·9	+ 0·9	295·4	304·1	11th	283·1	278·0	3rd	289·2	289·1	+ 2·5	11	— 47
413	Macleod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
414	Helena	49 44	113 24	953	..	..	..	293·2	304·1	16th	277·2	269·1	6th	285·2	285·4	+ 2·1	17	— 34
414a	Salt Lake City	46 34	112 4	1253	874·1	1015·2	+ 2·1	292·2	300·8	15th	278·2	273·6	5th	285·2	285·0	+ 1·2	22	— 32
415	Cheyenne	40 46	111 54	1329	865·4	1011·5	+ 0·9	295·6	302·4	12th	283·8	275·2	6th	289·7	289·9	+ 2·1	29	— 22
416	North Platte	41 8	104 48	1856	812·6	1014·5	+ 1·5	287·2	296·9	16th	274·2	268·6	7th	280·7	281·0	— 2·7	91	+ 30
416a	Bismarck	41 8	100 45	860	916·4	1015·2	+ 1·8	292·2	306·3	4th	277·3	271·9	8th	284·8	284·7	— 3·0	57	— 15
417	Winnipeg	46 47	100 38	510	955·6	1016·2	+ 2·1	289·8	300·2	15th	275·4	269·7	25th	282·6	282·6	— 2·6	11	— 51
418	Duluth	49 53	97 7	232	986·6	1014·8	+ 1·1	286·9	300·8	15th	273·6	267·4	18th, 19th	280·2	280·5	— 3·9	10	— 41
		46 47	92 6	345	969·7	1011·2	— 3·4	286·2	296·9	16th	275·1	270·8	18th	280·7	280·6	— 0·6	74	— 12
419	Port Arthur	48 27	89 12	196	986·3	1010·1	— 5·1	285·8	294·1	16th	274·7	267·4	4th, 19th	280·2	280·2	— 0·8	6	— 47
420	Chicago	41 53	87 37	251	981·0	1011·2	— 3·9	289·7	301·9	5th	281·1	276·3	1st	285·4	285·4	— 2·3	58	— 33
421	Toronto	43 40	79 24	116	995·6	1009·6	— 5·3	287·9	294·2	28th	278·2	272·8	21st, 22nd	283·1	282·8	— 2·0	112	+ 41
422	ϕNew York (Central Park)	40 47	73 58	47·4	1005·6	1011·3	— 4·3	291·2	296·9	17th	282·8	279·7	9, 10, 11	287·0	286·8	— 2·2	161	+ 78
423	St. John, N.B.	45 17	66 4	36·2	1005·9	1010·3	— 3·7	286·1	291·1	19th	277·4	273·2	10th	281·7	281·6	0·0	107	+ 13
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·3	1009·4	— 3·3	279·7	284·1	18th	274·7	272·7	3, 13, 22	277·2	277·3	— 0·1	151	+ 89
424a	Sable Island (Main Station)	43 57	60 6	7·6	1012·7	1013·6	— 1·9	282·7	285·8	17, 23, 25	278·1	274·7	10th, 11th	280·4	280·2	+ 1·0	120	+ 32
425	Port aux Basques	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. John's, Newfoundland	47 35	59 10	9·1	1011·0	1012·1	— 1·3	281·8	289·9	18th	275·2	271·6	22nd	278·5	278·2	+ 0·7	123	+ 30
		47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
430	50°—45° N. 35°—30° W.	††46 50	††32 32	§(27)	..	1013·7	..	..	..	286·4| —0·1	..	..	..	..	286·1	..	..	..
435	Madrid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
436	Nantes	40 24	3 41	667	939·5	1015·2	— 0·1	298·0	302·5	13th	284·6	278·9	8th	291·3	291·0	+ 3·2	8	— 32
		47 15	W 1 34	36·5	1010·2	1014·8	— 1·0	292·0	300·0	18th	282·8	277·8	9th	287·4	287·2	+ 0·6	37	— 21
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·0	1015·2	— 0·8	293·8	302·4	14th	282·8	275·6	6th	288·3	288·3	+ 1·9	36	— 15
438	Marseille	43 18	5 23	75	..	1015·0	+ 1·4	298·0	303·8	20th	285·8	279·0	10th	291·9	291·3	+ 2·1	6	— 38
438a	Zürich	47 23	8 33	493	959·5	1017·1	+ 1·4	293·4	302·9	31st	282·0	275·6	11th	287·7	286·9	+ 0·9	122	+ 15
439	Rome	41 54	12 27	45·5	1011·1	1016·4	+ 2·1	299·0	304·8	7th	287·8	282·4	10th	293·4	293·1	+ 2·2	11	— 44
440	Vienna	48 15	16 22	203	991·9	1015·9	+ 1·6	292·7	299·5	20th	284·4	278·9	6th	288·5	288·6	+ 0·6	85	+ 14
440a	Budapest	47 31	19 1	130	1000·1	1015·4	+ 1·5	297·4	303·7	28th	286·1	277·8	6th	291·7	291·3	+ 3·1	74	+ 2
441	Sofia	42 42	23 20	550	952·6	1015·7	+ 0·9	296·4	301·8	28th, 29th	284·2	278·0	4th	290·3	290·3	— 2·2	68	— 19
442	Bucharest	44 25	26 6	82	1006·5	1016·1	+ 2·1	300·3	308·2	29th, 30th	285·3	280·6	4th	292·8	292·3	+ 2·5	19	— 44
443	Odessa (Observatory)	46 26	30 46	42·8	1012·5	1017·6	+ 2·7	294·7	303·8	31st	286·4	281·2	4th	290·5	289·9	+ 1·3	12	— 19
444	ϕKharkiv (University)	50 0	36 14	140	1003·2	1019·7	+ 4·0	297·1	307·1	31st	282·8	273·7	22nd	289·9	290·5	+ 1·9	29	— 17
444a	Novorossiisk	44 44	37 49	37·1	1011·6	1016·0	+ 1·5	295·5	302·6	27th	286·3	283·0	2nd	290·9	290·4	+ 1·9	14	— 26
445	Tiflis	41 43	44 48	404	970·2	1016·7	+ 2·0	298·0	304·8	31st	285·5	280·8	8th	291·8	291·9	+ 2·1	11	— 70
446	Astrakhan	46 21	48 2	—20	1021·1	1018·7	+ 3·6	297·0	304·7	31st	286·4	279·5	24th	291·7	291·4	+ 0·9	1	— 17
447	Fort Alexandrovsk	44 31	50 7	—23·0	1021·0	1018·3	+ 3·8	296·7	305·0	31st	287·4	280·4	25th	292·0	292·0	+ 1·7	0	— 15
448	ϕKrasnovodsk	40 0	52 59	— 4·6	1017·6	1017·1	+ 3·2	298·6	306·8	31st	289·4	283·1	1st	294·0	293·7	+ 0·1	5	— 5
449	Kasalinsk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tashkent	45 46	62 7	66·7	1010·2	1018·1	+ 3·3	..	..	..	283·7	277·3	25th	..	290·9	+ 1·1	1	— 9
451	Narynskoe	41 20	69 18	478	960·4	1015·6	+ 2·7	296·8	305·9	22nd	283·0	275·6	4th	289·9	289·8	— 3·1	41	+ 10
452	Alma Ata	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	35	— 16
		43 16	76 53	841	920·0	1016·0	+ 1·8	291·3	301·4	23rd	281·2	273·4	10th	286·2	286·2	— 2·4	91	+ 2
461	ϕMoukden	41 48	123 23	43·8	1003·3	1008·5	— 0·5	296·4	305·4	30th	282·2	274·5	2nd	289·3	289·1	+ 0·3	33	— 22
462	ϕJoshin	40 40	129 11	31·9	1005·5	1009·4	— 0·3	287·1	294·3	10th	280·0	275·8	3rd	283·5	283·1	+ 0·8	90	+ 27
463	ϕYuki	42 20	130 24	65·6	1001·4	1009·3	— 0·1	287·8	294·0	13th	279·0	273·3	3rd	283·4	283·0	+ 0·3	74	0
464	Vladivostok	43 7	131 54	128	994·2	1009·7	— 0·6	286·6	294·4	21st	278·6	276·1	3rd	282·6	282·1	— 0·5	92	+ 42
465	ϕOchiai	47 20	142 47	27·4	1004·2	1002·6	— 3·1	282·1	294·8	23rd	272·6	268·0	14th	277·3	277·5	— 1·1	182	+104
466	Nemuro	43 20	145 35	26·7	1003·7	1007·0	— 4·5	283·0	290·9	24th	275·4	271·9	14th	279·2	279·2	— 0·3	73	— 21
466a	Syana	45 14	147 53	39·3	1001·1	1006·0	— 5·6	280·7	291·1	25th	273·3	268·0	20th	277·0	277·0	— 1·2	112	+ 31
		N.	E.															

Between Latitude 40° N. and 30° N. — MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
508	35°—30° N. 145°—140° W.	††31 39	††141 49	§(25)	..	1022·0	— 2·7	..	..	Sea Temp. 291·3| 0·0	..	..	..	..	289·7	— 1·1	..	..
511	San Francisco	37 48	122 26	47·2	1008·7	1014·5	— 1·4	291·9	304·1	28th	284·2	281·3	9th	288·1	286·9	+ 2·0	0	— 19
512	San Luis Obispo	35 18	120 39	61·3	1007·4	1014·9	— 1·2	295·9	309·1	15th	283·2	279·7	3rd	289·6	288·2	+ 2·8	0	— 15
513	San Diego	32 43	117 10	26·5	1010·3	1013·2	— 0·9	292·9	298·6	16th	287·5	285·2	6th	290·2	289·8	+ 1·4	0	— 8
514	Modena	37 48	113 54	1670	832·2	1011·2	+ 1·7	296·6	302·4	16th	277·5	271·9	8th	287·1	286·6	+ 1·9	10	— 11
515	Santa Fé	35 41	105 57	2138	785·8	1008·1	0·0	293·4	298·0	20th	279·3	274·1	7th	286·3	286·8	0·0	22	— 5
516	Denver	39 45	105 0	1613	837·0	1014·2	+ 1·7	290·7	300·8	18th	278·2	273·0	9th	284·4	284·4	— 2·3	67	+ 6
517	Abilene	32 23	99 40	530	951·9	1012·5	+ 0·4	299·8	308·0	27th	286·6	279·7	1st	293·2	292·2	— 1·9	131	+ 33
518	Saint Louis	38 38	90 12	173	991·3	1011·8	— 2·5	292·8	303·0	5th	283·6	278·6	14th	288·2	288·3	— 3·8	157	+ 43
519	Mobile	30 41	88 2	17·4	1012·4	1014·5	— 0·9	298·9	303·6	28th	290·4	283·6	12th	294·7	294·8	— 1·2	104	— 7
520	Nashville	36 10	86 47	166	993·9	1013·9	— 2·0	295·7	303·0	5th	284·0	278·6	11th	289·9	290·1	— 3·3	162	+ 66
521	Charleston	32 47	79 56	14·6	1011·7	1013·5	— 2·7	299·8	306·3	30th	291·1	284·7	12th	295·4	295·4	+ 0·1	60	— 26
522	Washington	38 54	77 3	34·1	1007·1	1011·2	— 4·4	293·7	304·1	6th	283·4	277·4	5th	288·6	288·8	— 2·2	171	+ 79
524	Bermuda	32 17	64 46	46·0	1012·9	1018·3	+ 0·4	297·1	299·6	27th	292·1	288·4	1st	294·6	294·4	+ 0·1	132	+ 19
530	Santa Cruz (Flores)	39 27	31 9	40	1017·2	1022·2	+ 0·7	291·5	294·3	17th	286·7	280·9	4th	289·1	289·1	— 0·7	70	— 35
531	Horta	38 32	28 38	65	1013·9	1021·8	+ 0·6	291·9	294·6	25th	286·3	283·8	14th	289·1	288·7	— 1·1	55	— 27
532	Ponta Delgada	37 44	25 40	22	1018·4	1020·9	— 0·2	291·3	293·7	25th	287·0	285·1	15th	289·2	289·2	— 0·3	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	20	— 69
533	Madeira (Funchal)	32 38	16 55	25	‡1016·1	‡1019·1	+ 0·2	293·7	299·0	3rd	288·6	287·2	18th	291·1	291·3	+ 0·8	17	— 11
535	Lisbon	38 43	9 9	95	1004·7	1016·1	+ 0·9	294·7	301·3	4th	287·2	285·0	8th, 27th	290·9	290·4	+ 0·8	18	— 32
535a	Melilla	35 17	2 59	40	1011·8	1016·5	+ 1·7	298·1	302·7	3rd	288·9	284·6	27th	293·5	294·4	+ 0·9	0	— 30
536	Gibraltar	36 6	5 21	16·2	..	1016·0	— 0·3	297·5	304·1	1st	288·3	284·1	9th	292·9	292·4	+ 1·3	10	— 34
536a	Colomb-Béchar	31 36	2 4	769	925·4	1009·3	..	305·7	309·6	4th	291·1	285·2	9th	298·4	298·5	..	3	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	m

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 29	23	1012·9	1015·6	− 0·1	297·5	302·0	18th	286·7	282·2	10th	292·1	..	+ 0·8	26	− ..
538	Algiers (Bouzaréah)	36 47	3 2	344	975·5	1015·1	+ 0·2	298·0	310·2	5th	289·6	285·3	9th	293·8	*293·4*	+ 4·3	6	− ..
538*a*	Gadames	30 9	9 30	351	..	..	..	312·2	319·7	22nd	292·6	283·1	12th	302·4	..	..	0	− ..
539	Tunis	36 48	10 10	21	1012·8	1015·3	..	299·9	310·4	6th	288·1	282·2	10th	294·0	*293·5*	+ 2·5	8	− ..
539*a*	Malta	35 54	14 31	56·4	..	1016·7	+ 2·8	296·7	301·9	6th	290·3	286·9	12th	293·5	*292·6*	+ 1·6	0	− ..
540	Riposto	37 41	15 14	14·2	..	1018·8	+ 2·4	296·1	297·8	31st	288·6	286·0	11th, 12th	292·3	*291·5*	+ 0·4	0	− ..
541	Athens	37 58	23 43	107	1002·1	1014·6	+ 1·2	298·9	304·6	6th, 23rd	289·6	285·6	4th	294·3	293·9	+ 1·4	20	− ..
542	Alexandria	31 12	29 53	32·0	1011·0	1014·7	+ 1·3	299·6	308·9	15th	291·6	289·4	4th	295·6	*294·9*	+ 0·9	0	− ..
543	Nicosia (P.W.D.)	35 9	33 22	159	993·5	1011·6	+ 0·3	301·2	305·2	16th	287·2	283·6	4th, 5th	294·2	..	+ 0·4	69	+ ..
544	Beirut	33 54	35 28	33·7	..	1012·6	− 0·2	298·0	300·5	27th	290·9	288·6	6th	294·4	*294·3*	+ 0·1	3	− ..
545	Hinaidi	33 17	44 29	32·3	..	1007·9	− 1·2	309·7	316·9	31st	291·6	286·3	7th	300·7	*302·6*	..	5	− ..
546	Lenkoran	38 46	48 52	—20·0	1019·4	1017·0	+ 2·6	..	..	31st	286·0	282·2	25th	..	*290·5*	− 0·7	39	+ ..
547	Tehran	35 41	51 25	1220	..	..	..	298·1	304·4	21st	286·4	278·6	1st	292·3	*292·4*	− 1·9	12	− ..
548	Meshed	36 16	59 35	946	881·2	..	..	296·3	304·3	22nd	280·6	275·7	7th	288·4	..	− 3·9	58	+ ..
549	Seistan	31 0	61 30	610	..	..	..	302·9	310·8	24th	290·7	287·5	5th	296·8	..	..	3	+ ..
550	Quetta	30 11	67 3	1677	831·2	..	− 0·4	297·4	304·3	24th	281·2	277·4	9th	289·3	*289·4*	− 3·6	17	+ ..
551	Peshawar	34 2	71 37	339	968·8	1007·1	+ 1·7	303·8	315·9	25th	290·2	284·2	9th	297·0	*296·8*	− 4·9	95	+ ..
551*a*	Lahore	31 34	74 20	214	980·6	1004·7	+ 1·6	307·9	313·4	29th	293·7	288·4	5th	300·8	*300·7*	− 3·9	36	+ ..
552	Simla	31 7	77 8	2204	779·9	..	− 0·3	291·8	296·6	29th	284·6	277·4	4th	288·2	*288·3*	− 2·6	47	− ..
552*a*	Leh	34 10	77 42	3503	664·5	..	− 3·0	287·1	291·8	26th	273·9	270·7	10th	280·5	*280·2*	− 2·7	3	− ..
559	ϕHankow	30 35	114 17	37·0	1005·7	1010·0	− 1·3	297·4	306·0	29th	290·3	286·0	15th	293·9	*293·4*	− 1·4	170	+ ..
560	ϕTientsin	39 10	117 10	5·0	1008·9	1009·5	− 0·1	301·7	310·5	30th	287·4	280·5	3rd	294·5	*294·0*	+ 1·6	32	+ ..
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1010·0	− 1·1	296·5	304·5	26th	287·7	284·5	10th	292·1	291·3	− 0·3	142	+ ..
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1002·3	1010·4	− 1·1	292·8	299·8	5th	284·5	281·7	1st	288·7	288·1	+ 0·7	76	− ..
562*a*	Nagasaki	32 44	129 52	133	994·7	1010·2	− 1·8	294·7	298·4	31st	286·8	283·7	29th	290·8	290·5	− 0·4	140	− ..
563	Kyoto	35 1	135 44	42·9	1005·4	1010·5	− 1·5	295·3	300·4	31st	283·8	277·6	10th	289·5	289·2	− 0·3	178	+ ..
564	Tokyo	35 41	139 46	5·8	1009·2	1009·9	− 2·2	294·9	299·8	27th	284·9	279·6	13th	289·9	289·9	+ 0·3	168	+ ..
565	Kanayama	37 53	140 46	24·6	1006·6	1009·5	− 2·3	293·6	298·8	11th	280·4	272·6	13th	287·0	286·9	− 0·2	124	+ ..
566	Miyako	39 38	141 59	30·4	1004·6	1008·3	− 3·3	291·6	298·5	16th	280·1	272·9	13th	285·9	285·2	− 0·1	84	− ..
		N.	E.															

MAY—ZONE 6. Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·6	+ 0·1	298·7	301·9	24th	289·9	287·4	4th	294·3	*293·7*	..	22	− ..
605	Honolulu	21 19	157 52	11·6	1016·2	1017·5	+ 0·1	299·3	301·3	..	294·1	292·4	..	296·7	*296·7*	− 0·1	15	− ..
614	La Paz	24 10	110 20	12	1009·4	1010·8	..	302·0	305·2	16th	288·1	286·4	5th	295·0	*294·0*	..	0	− ..
615	Chihuahua	28 38	106 4	1423	857·2	1007·0	..	301·7	306·5	23rd	286·4	281·0	3rd	294·0	*295·8*	− 2·1	1	− ..
616	Leon	21 7	101 41	1809	821·5	1006·4	+ 0·9	304·4	307·0	24th	285·0	282·6	13th	294·7	*296·6*	+ 0·3	0	− ..
616*a*	Monterry	25 40	100 18	528	951·0	1009·9	+ 1·1	302·8	312·7	24th	292·2	285·6	15th	297·5	*296·8*	− 2·0	58	+ ..
617	Tulancingo	20 5	98 22	2181	789·3	1008·7	..	300·7	305·0	26th	284·1	281·6	7th	292·4	*290·8*	− 0·4	42	− ..
618	Galveston	29 18	94 50	16·5	1012·0	1014·2	− 0·2	298·4	302·4	21st	293·1	288·0	10th	295·7	*295·6*	− 1·2	85	+ ..
618*a*	New Orleans	29 57	90 4	16·2	..	1014·2	− 0·7	300·6	305·2	28th	292·3	288·0	11th	296·4	*296·3*	− 0·4	151	+ ..
619	Merida, Yuc.	20 58	89 38	22	1009·2	1011·7	− 1·0	306·4	309·8	28th	296·9	293·8	5th	301·6	*301·2*	+ 0·9	47	− ..
620	Havana	23 8	82 21	24·3	..	1014·7	+ 0·2	304·0	306·3	27th	295·9	294·0	8th	300·0	*299·3*	+ 0·8	168	− ..
620*a*	Key West	24 33	81 48	6·7	1013·7	1014·2	− 0·4	302·9	305·2	31st	296·6	293·0	5th	299·8	*299·6*	+ 0·7	54	− ..
621	Nassau, Bahamas	25 5	77 21	7·3	..	1015·4	− 0·6	302·7	..	..	298·2	..	..	300·4	*300·3*	+ 1·8	44	− ..
622	Watling Island	24 6	74 26	33·5	..	1014·4	− 1·5	..	304	1st	..	295	11, 12, 23	..	*299·0*	..	..	− ..
633	Port Etienne	20 56	17 3	4	1014·3	1014·8	..	297·4	302·0	8, 9, 22	289·8	288·5	9th	293·6	*292·2*	..	0	− ..
634*m*	Izaña	28 19	16 30	2367	768·5	..	..	286·7	294·6	1st, 3rd	275·9	268·6	7th	281·3	*281·7*	− 0·7	54	+ ..
634	La Laguna	28 28	16 20	547	953·3	1016·3	− 0·1	294·7	307·3	3rd	285·1	282·6	1st	289·9	*289·2*	+ 0·5	27	− ..
636	Adrar	27 36	W 0 4	168	..	..	..	313·9	317·8	3rd	293·3	287·0	12th	303·6	*306·7*	..	0	− ..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	..	− ..
641	Siwa	29 12	25 29	−23	1016·2	1013·5	..	..	..	..	285·9	283·0	1, 8, 10	..	..	..	0	− ..
643	Cairo (Helwan)	29 52	31 20	116	999·8	1013·0	+ 1·1	304·0	309·5	15th	289·5	285·4	6th	296·7	*297·0*	− 0·3	0	− ..
643*a*	Aswan	24 2	32 53	99·6	999·0	1010·2	+ 0·6	311·0	315·7	28th	293·7	289·5	6th	302·4	*302·2*	− 0·2	..	− ..
644	Tor	28 14	33 37	1·9	1010·3	1010·4	+ 0·6	303·8	308·5	26th	293·3	287·2	10th	298·6	*297·7*	+ 0·4	0	− ..
647	Bushire	28 59	50 53	4·3	1007·4	1008·0	+ 0·1	305·9	311·1	28th	298·2	293·4	2nd	302·1	*301·5*	+ 1·1	0	− ..
648	Jask	25 44	57 47	4·0	1006·1	1006·5	+ 0·6	308·5	310·6	25th	299·0	294·9	3rd	303·7	*303·1*	+ 1·0	0	− ..
649	Karachi	24 53	66 57	4·0	1005·4	1005·8	+ 0·1	306·3	313·9	29th	299·2	297·4	6th	302·7	*302·1*	+ 0·9	0	− ..
650	Jacobabad	28 17	68 29	56·7	999·1	1005·4	+ 2·7	313·4	318·3	27th	296·7	291·3	20th	305·1	*304·7*	− 3·0	0	− ..
651	Jaipur	26 56	75 52	436	957·4	1004·9	+ 0·7	312·2	315·6	27th	296·1	290·7	10th	304·1	*303·4*	− 2·7	5	− ..
652	Nagpur	21 8	79 5	310	970·4	1003·7	− 0·2	315·9	318·3	31st	301·6	296·3	23rd	308·7	*308·1*	+ 0·7	0	− ..
653	Allahabad	25 25	81 51	94·2	993·6	1003·6	+ 0·7	315·1	318·2	30th	298·1	290·2	11th	306·6	*306·2*	− 0·3	0	− ..
653*a*	Darjeeling	27 3	88 18	2265	774·6	..	− 0·5	291·5	294·3	20th	284·1	281·1	10th	287·8	*287·9*	+ 0·4	93	− ..
654	Calcutta	22 36	88 23	6·4	1004·2	1005·1	0·0	310·0	312·1	19th, 31st	299·5	295·2	1st	304·7	*304·7*	+ 1·9	26	− ..
655	Gauhati	26 8	91 41	59·7	1000·1	1007·1	− 0·7	303·6	307·6	30th	295·1	292·3	8, 11, 13	299·3	*298·2*	− 0·5	255	+ ..
655*m*	Cherrapunji	25 15	91 42	1313	865·9	..	− 0·7	294·9	298·5	20th	289·9	286·2	10th	292·4	*291·8*	+ 0·3	599	+ ..
655*a*	Akyab	20 11	92 56	6·1	1006·3	1007·0	− 0·5	304·9	307·6	6th	297·8	294·8	14th	301·3	*301·6*	− 0·6	759	+ ..
656	Mandalay	21 59	96 0	76·2	998·6	1007·0	− 0·2	312·5	317·1	19th	299·8	296·2	1st	306·1	*305·8*	+ 1·3	48	− ..
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·6	299·7	18th, 19th	285·7	281·9	10th	291·1	*290·6*	− 0·2	140	+ ..
657	Phu Lien	20 48	106 38	116	992·5	1005·7	− 1·6	303·8	309·3	4th	297·4	295·2	13th	300·6	300·0	+ 1·0	427	− ..
658	Moncay	21 31	107 51	9·0	1005·2	1006·3	− 1·2	303·7	304·1	23rd	297·3	295·3	25th, 29th	300·5	*300·3*	+ 0·7	524	− ..
659	Hongkong	22 18	114 10	33·2	..	1008·3	− 1·0	302·1	304·2	13th	297·8	295·8	20th	299·9	299·4	+ 1·5	429	− ..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1008·3	1009·3	− 1·1	303·3	308·3	8th	295·3	292·4	21st	299·3	298·7	+ 1·7	68	− ..
661*a*	Basco	20 28	121 59	18·7	..	1008·0	− 0·6	304·0	306·6	23rd	297·7	295·4	5th	300·9	*301·2*	+ 0·9	82	− ..
662	Naha	26 13	127 41	**	..	..	..	..	..	..	..	..	..	..	..	..	..	− ..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1012·1	1012·6	− 0·4	298·9	301·3	6th, 16th	294·2	290·5	24th	296·5	296·3	+ 0·6	184	− ..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Height changed from 10·5 m. to 8·2 m. from May 19th. ϕ Change of normals, *see* pages 109 and 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	955·4	1010·8	..	307·7	309·6	19th	290·9	286·0	9th	299·3	*297·9*	0·0	0	− ..
716	Morelia	19 42	101 7	1923	..	..	..	299·3	301·4	25th	286·9	284·0	1st	293·1	*292·9*	+ 0·1	51	− ..
717	Mexico, Tacubaya	19 24	99 12	2309	774·1	..	− 0·1	300·3	303·8	26th	283·2	280·6	1st	291·7	290·8	+ 0·5	56	+ 5
718	Salina Cruz	16 12	95 12	56	1003·8	1010·1	− 1·3	304·0	308·7	11th	298·6	295·5	31st	301·3	*301·7*	+ 0·6	48	− 40
719	San Salvador	13 42	89 12	682	937·2	1012·5	+ 1·0	304·9	306·4	8th	292·3	288·4	31st	298·6	*296·9*	− 0·4	178	+ 5
720	Belize	17 29	88 12	5·2	1010·7	1011·3	− 0·5	304·2	305·2	31st	298·2	294·7	14th	301·2	*300·8*	+ 0·6	18	− 62
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1013·4	+ 0·6	304·5	306·4	3rd	296·1	294·6	29th	300·3	*300·2*	+ 1·2	222	+ 65
722	Port au Prince	18 33	72 20	37·4	1009·9	1014·2	+ 0·2	305·8	308·2	19th, 26th	295·9	294·0	1st, 4th	300·9	*300·6*	+ 1·2	144	− 94
723	Caracas	10 30	66 56	1042	899·4	1013·3	+ 0·7	301·2	304·0	21st	289·2	285·9	4th	295·2	*293·5*	− 0·3	60	− 11
723*a*	Montserrat	16 41	62 9	36·6	?1010·6	?1014·7	− 0·2	?303·4	?305·2	22nd	296·1	294·1	20th	?299·7	*?299·2*	− 0·5	147	+ 48
724	San Juan, Porto Rico	18 29	66 7	25·0	1012·7	1015·6	+ 0·2	302·1	305·2	22nd	296·1	295·2	5th	299·1	*298·7*	+ 0·2	149	+ 28
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡995·2	‡1013·1	+ 0·2	302·9	304·7	31st	296·7	295·2	6, 10, 28	299·8	*299·4*	+ 0·4	136	+ 27
725	ϕBarbados	13 8	59 36	55·2	..	1013·8	− 0·2	303·3	304·7	20th, 23rd	..	..	..	..	*299·8*	+ 0·4	29	− 39
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1013·0	1014·3	− 0·3	297·7	298·5	6th, 15th	291·8	290·0	2nd	294·8	*295·9*	+ 0·3	0	− 0
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	299·4	301·2	15th	294·1	293·1	2nd	296·7	*296·7*	− 0·3	0	− 0
733	Dakar	14 40	17 26	32	1008·5	1012·2	..	302·7	305·0	27th	292·8	291·2	10th	297·7	*296·4*	+ 0·5	0	− 2
734	Bathurst	13 27	16 34	1·8	1014·1	1014·2	+ 0·6	303·7	305·2	22nd	293·2	291·3	9th	298·4	*298·2*	+ 0·5	0	− 4
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	315·8	..	..	294·7	..	..	..	..	..	..
735	Niénébalé	13 33	14 45	1·1	..	..	..	..	..	..	..	..	..	..	..	..	33	+ 21
736	Timbuktu	12 57	7 26	300	..	..	..	311·5	313·6	9th, 22nd	298·2	294·8	31st	304·9	*304·1*	..	55	..
737	Sokoto	16 43	W 3 2	270	..	..	..	316·2	319·2	20th	299·3	290·3	4th	307·8	*307·7*	+ 0·2	0	− 6
738	ϕKaduna Capital	13 2	E 5 14	353	..	..	..	314·3	316·9	13th	299·1	295·8	31st	306·7	*306·4*	+ 1·5	7	− 43
739	Hadeija	10 32	7 25	637	944·0	1014·7	+ 0·3	306·6	310·8	14th	294·1	291·3	30th, 31st	300·3	*299·9*	+ 0·9	108	− 23
740	Maiduguri	12 40	10 5	?	..	..	..	314·9	316·3	13, 18, 27	295·7	290·2	13th	305·3	*305·0*	+ 0·1	0	− 38
741	El Fasher	11 47	13 11	361	..	..	..	315·7	318·6	16th	298·2	293·0	10th	306·9	*306·6*	+ 1·0	7	− 31
743	El Obeid	13 32	25 18	730	..	..	..	311·2	314·1	30th	292·7	287·0	1st	302·0	*301·8*	..	0	..
743*a*	Khartoum	13 11	30 14	569	945·5	1007·6	+ 0·3	311·6	314·5	18, 19, 26	295·6	290·5	7th	303·6	*303·4*	+ 0·5	1	− 10
744	Port Sudan	15 37	32 33	390	963·8	1006·0	− 0·5	313·7	317·8	19th	298·0	293·7	7th	305·9	*306·0*	− 0·6	6	+ 3
745	Berbera, Somaliland	10 37	37 13	5·5	1008·0	1008·7	+ 0·2	307·8	313·7	29th	296·3	293·5	13th	302·0	*301·8*	− 0·1	0	− 1
746	Aden	12 45	45 3	28·7	1006·2	1009·4	+ 0·4	307·3	310·4	19th	300·4	297·8	16th	303·9	*303·2*	+ 0·3	0	− 3
751	Bombay	18 54	72 49	11·3	1007·1	1008·3	− 0·9	306·8	307·6	23rd	300·6	299·3	2nd, 6th	303·7	302·8	+ 0·8	0	− 21
752	Kodaikanal	10 14	77 28	2343	770·3	..	− 0·6	294·8	298·8	3rd	285·3	284·1	28th	290·1	*289·2*	+ 0·7	151	− 2
752*a*	Bangalore	12 59	77 38	921	908·5	1007·3	− 0·4	307·9	310·7	1st, 9th	294·5	291·9	3rd	301·2	*300·2*	+ 1·3	62	− 49
753	Madras	13 4	80 14	6·7	1005·9	1006·6	− 0·3	309·7	314·8	19th	300·8	298·8	8th	305·2	304·7	+ 0·2	0	− 27
754	Vizagapatam	17 42	83 19	11·6	1004·9	1006·2	+ 0·3	306·8	308·8	20th	300·9	296·7	16th	303·9	*303·3*	− 0·2	43	− 7
755	Port Blair	11 40	92 40	18·0	1006·2	1008·2	− 0·5	304·2	306·6	17th	298·8	296·4	30th	301·5	*300·9*	− 0·1	191	−212
756	Rangoon	16 46	95 48	5·5	1007·9	1008·5	0·0	306·7	311·8	17th	298·4	296·7	28th	302·6	*301·3*	+ 0·5	242	− 62
757	Saigon (Cap St. Jacques)	10 20	107 5	180	987·4	1007·6	+ 0·2	304·6	309·2	6th	297·4	295·4	12th	301·0	*300·5*	− 0·4	291	+ 95
758	Nhatrang	12 15	109 12	3·6	1007·0	1007·4	0·0	304·7	308·5	3rd	297·1	296·1	2nd	300·9	*300·4*	− 0·6	16	− 35
759	Bolinao	16 23	119 53	7·1	..	1008·0	+ 0·5	306·6	309·3	10th	297·9	296·4	10th	302·3	*301·6*	− 0·1	156	− 23
761	Vigan	17 34	120 23	12·2	..	1007·9	− 0·7	306·6	308·1	10th	298·7	297·1	31st	302·7	302·3	+ 0·6	93	− 60
761*a*	Manila	14 35	120 59	14·2	..	1008·3	− 0·1	307·8	309·8	7th, 19th	297·3	295·5	17th	302·5	301·9	+ 0·5	174	+ 61
762	Ormoc	11 0	124 36	5·6	..	1007·9	− 0·2	306·3	309·0	6th	295·4	292·7	25th	300·9	*300·2*	+ 0·5	68	− 20
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1009·4	+ 0·2	304·6	305·7	28th	298·1	295·8	3rd	301·3	*301·3*	+ 0·2	55	− 49
		N.	E.															

Between Latitude 10° N. and 0°.

MAY—ZONE 8.

		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·8	1011·4	..	304·6	305·8	28th	298·8	296·3	19th	301·7	*301·3*	+ 1·1	77	−293
821	Colon	9 23	79 23	11·0	..	1010·9	+ 0·2	302·8	306·3	26th	297·6	296·3	12th	300·2	*299·8*	+ 0·1	377	+ 63
822	Bogota	4 36	74 5	2645	745·6	..	..	292·8	295·6	3rd	283·6	281·5	9th	288·2	*287·6*	..	80	− 35
822*a*	Merida, Venez	8 36	71 9	1641	‡841·0	..	− 0·5	297·9	299·5	7, 11, 13	289·1	287·5	1st, 7th	293·5	*292·3*	+ 0·4	182	−104
823	Ciudad Bolivar	8 9	63 33	38	1006·2	1010·5	..	308·3	310·3	10th	297·4	296·2	2nd	302·8	*302·1*	..	20	− 49
824	El Peru, Guayanavieja	7 19	61 49	220	986·0	1010·8	+ 0·1	305·8	307·3	10th	294·3	292·0	8th	300·1	*299·3*	+ 0·9	40	− 93
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·6	− 0·2	302·9	304·1	6th, 7th	297·5	296·3	2, 13, 26	300·2	*300·0*	+ 0·2	327	+ 36
826	Paramaribo	5 49	55 9	3·7	‡1012·3	‡1012·7	− 0·3	304·2	307·2	5th	294·4	291·5	3rd	299·3	*299·4*	+ 0·5	194	−112
826*a*	Cayenne	4 56	52 21	6	..	..	..	301·9	306·0	7th	297·6	295·0	27th	299·8	*298·8*	+ 0·2	335	−222
831	10°—5° N. 30°—25° W.	†† 7 5	†† 27 6	§(115-134)	..	1013·9	+ 1·5	..	..	Sea Temp.	298·8	−0·4	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1009·0	1010·8	+ 0·2	304·9	307·5	1st	294·6	292·0	25th	299·7	*299·0*	− 1·2	223	+ 63
834	Freetown, Sierra Leone	8 29	13 14	68·3	1004·0	1011·8	+ 0·6	305·0	307·4	2nd	296·2	294·1	4, 17, 29	300·6	*299·8*	+ 0·1	191	−100
835	Assuantsi	5 18	1 15	101	..	..	..	303·7	306·3	14th	294·7	293·6	30th	299·2	*298·6*	..	146	− 32
836	Accra	5 33	W 0 12	27·0	1007·3	1010·4	..	304·8	306·3	14th, 22nd	296·3	295·2	28th	300·6	*300·0*	+ 0·9	98	− 34
837	Lagos	6 27	E 3 24	4·6	1008·9	1009·3	− 1·3	305·4	310·2	31st	298·1	295·2	6th	301·7	*300·8*	+ 1·0	88	−185
838	Zungeru	9 48	6 10	130	..	..	..	309·7	313·0	15th	296·9	293·6	3rd, 19th	303·3	*302·8*	+ 1·5	43	− 80
839	Yola	9 12	12 30	259	..	..	..	309·4	312·4	13, 18, 21	..	..	..	..	‡*301·6*	+ 0·4	39	− 80
841	Wau	7 42	28 3	440	..	..	..	308·9	311·0	9, 12, 21	295·4	294·0	sev. dates.	302·2	*301·2*	+ 1·1	59	− 80
843	Malakal (Kodok)	9 35	31 37	394	..	..	..	310·2	313·1	12, 13, 14	296·9	293·3	5th	303·6	*302·2*	+ 1·3	10	− 61
843*a*	Mongalla	5 11	31 47	439	959·4	1008·0	0·0	307·5	310·0	22nd	294·5	292·5	15th

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1009·5	1010·4	+ 0·3	302·9	303·3	sev. dates.	298·1	296·9	3rd, 6th	300·5	*299·7*	− 0·8	30	− 7
924	ϕManaos	3 8	60 1	43·8	1005·0	1010·1	..	302·8	305·4	19th	296·0	294·4	13th, 31st	299·4	*298·6*	− 0·4	339	+17
926	Taperinha	2 30	54 20	20·0	1009·6	1012·0	+ 0·2	302·9	305·1	29th	295·8	294·9	2nd	299·4	*298·1*	+ 0·3	330	+ 5
927	Turyassu	1 43	45 26	9·1	1010·2	1011·3	0·0	304·1	306·8	25th, 26th	294·7	293·6	27th	299·4	*298·1*	− 0·4	302	− 5
928	Barra do Corda	5 30	45 16	81·0	1000·9	1010·2	− 0·3	303·7	305·2	30th	294·6	289·2	26th	299·2	*298·4*	+ 0·9	161	+ 8
929	Quixeramobim	5 16	39 15	207	989·1	1012·7	+ 0·1	301·0	302·6	4th	295·8	294·0	29th	298·4	*298·5*	− 1·0	177	+ 8
930	Fernando Noronha	3 50	32 25	106	999·8	1011·7	− 1·3	301·0	302·3	13th	297·3	295·2	2nd	299·2	*299·0*	+ 0·4	442	+16
										Sea Temp.								
930*a*		5°—10° S. 35°—30° W.	††7 21	††32 47	§(76–77)	..	1011·1	..	..	..	301·1	+0·9	..	..	..	..	..	..
930*b*		0°— 5° S. 35°—30° W.	††2 59	††31 40	§(37–40)	..	1010·6	..	..	..	300·9	+0·6	..	..	..	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1011·6	1013·7	− 0·3	303·1	305·2	2nd	297·6	296·3	4, 6, 22	300·3	*299·5*	+ 0·5	58	+ 3
939	ϕLoanda	8 49	E 13 13	51	..	1011·4	− 0·5	302·3	303·9	1st	296·1	293·4	26th 31st	299·2	298·6	+ 1·3	0	− 1
940	Brazzaville	4 17	15 16	321	977·2	1013·3	+ 1·4	305·4	308·0	17th	294·4	292·5	25th	299·9	*299·2*	+ 0·8	117	− 1
943	ϕMasaka	0 21	31 47	?1280	..	..	..	304·3	305·2	sev. dates.	..	..	..	..	*292·8*	+ 0·3	136	− 2
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	112	− 2
944*a*	Zanzibar	6 10	39 11	21·9	1013·4	1015·9	− 0·1	301·8	303·1	3rd	297·8	294·7	30th	299·8	*299·3*	+ 0·5	85	− 12
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	297·2	294·7	29th	..	..	..	274	− 13
947	Seychelles, Port Office	4 37	55 27	4·6	1010·0	1010·5	− 1·3	302·4	304·2	11th	299·4	297·7	15th	300·9	*300·1*	+ 0·5	125	− 2
957	Padang	0 56	100 22	6·7	..	1008·6	− 1·5	..	..	..	..	..	..	..	..	..	401	+ 9
958	Batavia	6 11	106 50	8·0	1008·2	1009·1	− 0·3	303·8	305·5	4th	297·1	295·9	24th	300·4	300·0	+ 0·5	155	+ 5
958*a*	Pontianak	0 1	109 20	2·6	..	1009·4	− 0·1	..	..	..	..	..	..	..	..	..	671	+40
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	117	+ 2
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	57	− 9
962	Amboina	3 42	128 10	4·2	..	1008·8	− 0·8	..	..	..	..	..	..	..	..	..	806	+30
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	161	− 3
965	ϕDaru	9 4	143 13	7·6	..	1012·6	+ 1·9	301·6	..	..	297·7	..	..	299·6	*299·3*	+ 0·2	214	− 5
966	Port Moresby	9 29	147 9	39·0	..	1010·1	− 0·5	302·3	..	..	297·7	..	..	300·0	*299·6*	+ 0·1	0	− 6
967	Rabaul	4 9	152 12	20·7	..	1008·5	..	306·2	306·9	14th	295·7	294·7	22, 25, 26	300·9	*300·3*	+ 0·4	26	− 11
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·3	1010·6	+ 0·7	?304·3	?305·9	12th	297·8	296·9	12th	?301·1	*300·8*	+ 0·6	236	+ 4
970	Ocean Island	0 52	169 35	54·0	1006·1	1012·3	+ 2·0	303·8	305·2	11th, 16th	297·1	293·6	17th	300·4	*299·7*	− 0·4	129	− 1
		S.	E.															

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·7	+ 0·6	303·2	304·6	6th	297·0	295·3	10th	300·1	299·9	+ 1·1	148	− 7
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	302·6	304·7	8, 9, 18	295·1	292·4	28th	298·8	*298·5*	+ 1·4	61	− 7
1021	Arequipa	16 22	71 33	2452	761·9	..	+ 0·6	292·9	295·6	23rd	283·2	280·2	11th	288·1	*287·4*	+ 0·7	0	−
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·8	282·0	sev. dates.	..	*289·1*	..	0	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	1000·8	1014·2	+ 1·4	300·3	306·6	sev. dates.	289·1	280·0	31st	294·7	*294·1*	− 2·1	110	+
1026	Cuyaba	15 36	56 6	165	994·2	1012·9	+ 0·9	303·8	307·9	19th	290·6	282·7	31st	297·2	*295·9*	− 1·1	7	−
1027	Bello Horizonte	19 55	43 57	895	916·7	1016·2	− 0·4	300·2	303·4	18th	286·5	282·0	1st	293·4	*292·4*	+ 0·7	0	−
1028	Caetite	14 3	42 37	897	917·3	1016·9	+ 0·8	298·0	301·6	11th	289·4	286·0	21st	293·7	*293·2*	− 0·9	8	−
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·4	1013·7	− 0·6	300·6	302·9	1st	295·9	294·8	6th	298·2	*298·2*	+ 0·4	496	+
1030	Aracaju	10 55	37 3	6·1	1013·9	1014·7	− 0·1	301·2	302·8	1st	295·8	294·4	8th	298·5	*298·4*	− 0·9	713	+
										Sea Temp.								
1030*a*		15°—20° S. 40°—35° W.	††17 27	††37 2	§(88-100)	..	1013·5	..	..	..	299·2	+0·4	..	..	..	..	..	..
1030*b*		10°—15° S. 40°—35° W.	††12 48	††36 10	§(60-69)	..	1011·6	..	..	..	300·1	+0·7	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	604	945·5	1014·2	− 0·2	294·7	297·4	24th	286·8	285·8	25th	290·8	*290·8*	+ 0·3	35	−
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	302·7	15th	..	285·2	30th	..	*293·3*	..	0	..
1041	Livingstone	17 51	25 51	972	908·8	1016·0	..	302·3	306·2	2nd	283·8	278·3	25th	293·1	..	..	0	−
1041*a*	Elisabethville	11 39	27 28	1236	879·0	1013·6	+ 0·8	301·3	303·0	21st	280·5	276·5	13th	290·9	..	− 0·8	0	−
1042	Gwelo	19 28	29 48	1417	..	..	..	298·2	303·6	4th	285·3	274·1	24th	291·8	..	+ 3·2	0	−
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	855·6	1014·0	− 1·3	297·6	301·1	2nd	281·9	276·3	25th	289·8	289·3	+ 0·9	0	−
1044	Zomba	15 23	35 18	955	908·7	1014·5	− 1·5	298·7	301·3	2nd, 9th	286·3	282·4	25th	292·5	*291·8*	+ 0·7	4	−
1044*a*	Mossuril	14 57	40 40	15	..	1015·7	..	302·6	307·1	21st	292·3	288·9	25th	297·4	297·2	..	9	−
1045	Antananarivo	18 55	47 33	1375	866·6	1015·4	+ 0·2	297·0	299·7	6th	284·7	277·0	30th	290·9	290·7	+ 1·3	3	−
1046	Tamatave	18 10	49 24	5	..	..	..	298·9	301·0	..	292·3	289·0	..	295·6	*295·1*	..	509	+
1047	Vohémar	13 21	50 1	3	..	1007·7	..	304·0	305·3	..	294·4	292·5	..	299·2	*298·6*	..	55	−
1048	Antalaha	14 58	50 19	3	..	1011·8	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1014·7	1015·4	+ 2·4	302·0	303·6	11th	298·6	296·1	16th	300·3	*300·0*	+ 0·1	320	+1
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	− 0·3	304·0	305·2	sev. dates.	297·4	295·8	22nd	300·7	*300·1*	+ 0·2	119	−
1061	Kupang	10 10	123 34	45·1	..	1010·2	− 0·4	306·0	307·8	12th	296·5	293·4	1st	301·3	300·4	+ 1·2	0	−
1061*a*	Derby	17 18	123 40	16·2	1011·0	1013·1	− 0·4	306·6	309·7	11th	294·6	288·8	31st	300·6	..	+ 2·4	0	−
1062	Hall's Creek	18 13	127 46	373	972·2	1014·0	− 1·3	304·3	307·7	2nd	287·4	279·7	25th	295·8	*295·2*	+ 1·3	1	−
1063	Darwin	12 28	130 51	29·6	1007·6	1011·0	+ 0·1	306·6	308·7	3rd	296·7	294·2	29th	301·7	*300·5*	+ 1·0	0	−
1064	Daly Waters	16 16	133 23	211	987·7	1011·4	− 1·6	305·5	308·0	1st, 4th	289·9	284·7	25th	297·7	*297·1*	+ 1·0	0	−
1065	Mein	13 13	142 47	122	996·2	1010·1	− 0·7	302·9	305·2	16th, 17th	292·1	289·1	17th, 21st	297·5	*296·8*	− 0·3	10	−
1066	ϕGeorgetown, Queensland	18 22	143 32	302	981·2	1015·4	+ 1·2	302·2	304·6	19th	289·6	282·4	19th, 25th	295·9	..	+ 0·2	0	−
1066*a*	Willis Island	16 18	149 59	8·5	1012·3	1013·3	..	299·8	301·1	16th	296·6	295·4	25th, 31st	298·2	*297·9*	..	100	−
1067	Samarai	10 37	150 40	15·2	..	1011·0	+ 0·2	301·6	..	..	295·9	..	..	298·7	*298·4*	− 0·5	254	−
1072	ϕSuva, Fiji	18 8	178 26	6·1	1013·1	1013·8	− 0·4	300·2	304·3	17th	295·6	294·1	17th	297·9	*297·6*	+ 0·2	451	+
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	299·4	300·8	5, 7, 10	294·1	289·7	27th	296·8	*296·5*	+ 0·6	174	+ 25
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·7	1018·0	+ 1·3	288·4	291·2	8th	283·6	280·0	29th	286·0	*286·0*	− 0·6	0	− 30
1122	Iquique	20 12	70 11	9	1015·5	1016·6	+ 1·3	291·2	293·8	1st	284·5	283·0	21st	287·9	*288·9*	− 1·2	0	0
1123	Catamarca	28 27	65 47	510	956·7	1015·6	+ 2·2	295·7	304·8	3rd	282·0	271·4	31st	288·8	*288·3*	− 0·8	4	− 9
1124	Salta	24 46	65 28	1178	884·6	1015·4	+ 1·9	293·7	302·9	8th	280·4	269·6	31st	287·0	*286·9*	− 0·6	9	0
1125	Goya	29 9	59 15	26	1014·4	1017·5	+ 3·0	295·5	304·6	2nd	282·3	274·0	30th, 31st	288·9	*288·0*	− 1·3	0	− 69
1126	ϕAsuncion	25 17	57 41	93	1006·2	1017·2	+ 2·3	296·2	304·0	4th	284·8	275·7	30th	290·5	*290·0*	− 2·0	69	− 54
1127	Curityba	25 25	49 17	908	916·2	1018·8	+ 0·7	292·9	298·4	9th	282·0	271·7	31st	287·4	*286·9*	+ 0·1	202	+ 98
1128	Rio de Janeiro	22 54	43 10	18·3	1015·8	1018·0	+ 1·2	299·9	305·0	22nd	292·7	287·1	31st	296·3	295·4	+ 0·6	70	− 11
										Sea Temp.							
1128*a*		25°—30° S. 50°—45° W.	††27 19	††47 42	§(86–93)	..	1014·9	..	..	..	293·0	−1·2	..	..	..	..	..	..
1128*b*		20°—25° S. 45°—40° W.	††22 42	††41 41	§(61–76)	..	1014·1	..	..	..	297·2	+0·8	..	..	..	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	295·8	298·8	5th	281·7	276·0	20th	288·8	*288·8*	0·0	0	− 8
1141*a*	ϕJohannesburg	28 42	24 47	1202	885·3	1019·9	− 0·7	294·1	299·7	7th	278·6	272·4	22nd	286·3	285·7	+ 0·1	4	− 16
1142	Bulawayo	26 11	28 4	1806	824·5	1019·7	− 0·5	290·5	294·8	11th	280·3	273·1	21st	285·4	*285·0*	0·0	29	+ 10
1143	Durban	20 9	28 35	1340	870·6	1016·9	− 0·6	297·4	301·9	3rd	283·1	273·6	22nd	290·2	*289·4*	+ 1·0	4	− 3
1144	Lourenço Marques	29 52	31 3	15·2	1017·9	1019·7	− 0·9	296·5	299·3	9th	288·7	284·1	26th	292·6	*292·0*	+ 0·1	58	+ 10
1145	Tulear	25 58	32 36	59	..	1018·4	− 0·6	299·7	304·9	8th	288·5	283·1	23rd	294·1	293·3	0·0	35	− 5
1146	Fort Dauphin	23 23	43 40	4	..	..	..	..	..	..	285·9	281·0	..	..	..	..	..	..
1147	Mauritius	25 2	46 58	25	..	1014·5	..	..	..	..	283·5	279·0	..	..	..	..	3	..
1159	Onslow	20 6	57 33	55·2	1009·7	1016·1	− 0·3	298·6	300·1	2nd	293·2	288·9	8th	295·9	295·6	+ 0·3	123	..
1160	Cue	21 43	114 57	4·3	1012·3	1013·3	− 1·1	304·9	308·4	10th, 21st	289·3	283·4	24th	297·1	..	+ 1·9	94	+ 17
1161	ϕNullagine	27 27	117 52	454	964·7	1016·6	− 0·5	297·3	304·1	2nd	284·6	277·9	26th	290·9	..	+ 0·8	8	− 28
1162	ϕLaverton	21 53	120 5	386	970·9	1014·2	− 1·2	303·5	307·4	3rd	286·6	281·4	31st	295·1	..	+ 2·0	13	− 13
1163	Alice Springs	28 40	122 23	466	965·0	1018·4	− 1·0	296·6	306·2	3rd	283·5	275·3	26th	290·0	*289·9*	+ 1·3	8	− 11
1164	William Creek	23 38	133 37	587	951·1	1017·5	0·0	297·8	303·0	16th, 19th	279·9	271·7	29th	288·8	*288·7*	+ 0·4	9	− 19
1164*a*	ϕBoulia	28 55	136 21	76·2	1011·6	1020·7	+ 0·5	296·5	303·3	19th	280·1	274·7	29th	288·3	*288·0*	+ 0·1	0	− 17
1165	Thargomindah	22 55	139 38	146	999·3	1016·2	+ 0·5	300·8	304·2	20th	285·3	279·0	24th	293·1	*293·0*	+ 0·3	0	− 10
1166	Mitchell	27 58	143 43	123	1005·2	1019·7	+ 1·6	296·8	300·9	3rd, 20th	282·3	276·9	16th	289·6	*289·4*	− 0·3	0	− 11
1167	Rockhampton	26 32	147 52	336	981·4	1020·0	+ 1·5	296·4	299·7	20th	278·4	270·8	25th	287·4	..	− 0·3	4	− 21
1168	Brisbane	23 24	150 30	11·3	1016·8	1018·2	+ 0·8	298·8	301·9	22nd	287·2	279·1	26th	293·0	*292·2*	− 0·4	12	− 35
1170	Norfolk Island	27 28	153 2	41·8	1016·1	1020·5	+ 1·9	296·2	300·2	21st	285·5	279·2	27th	290·8	*290·4*	− 0·3	33	− 29
		29 4	167 59	15·2	1016·3	1018·1	+ 0·2	294·2	296·3	1st	288·9	284·7	28th	291·6	*291·2*	0·0	200	− 38
		S.	E.															+ 61

Between Latitude 30° S. and 40° S.

MAY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	977·1	1018·0	..	287·4	292·7	1st	283·3	281·4	28th	285·3	*285·2*	..	80	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1004·8	1019·4	+ 3·3	286·9	288·8	30th	279·3	275·0	29th	283·1	*283·7*	− 1·9	25	− 57
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1013·2	1018·2	+ 1·2	289·1	294·4	2nd	280·8	276·8	29th	284·9	*284·6*	− 2·0	0	−109
1222*a*	Santiago	33 27	70 42	520	956·7	1018·2	+ 1·1	292·5	299·2	30th	275·7	270·0	29th	284·1	*282·6*	− 0·7	0	− 65
1223	Cordoba	31 25	64 12	423	967·4	1017·3	+ 1·9	293·6	301·4	1st	278·6	267·2	29th, 30th	286·1	*285·3*	− 0·9	3	− 23
1224	Bahia Blanca	38 45	62 15	25	1012·4	1015·5	+ 1·0	288·0	298·0	4th	277·3	270·6	29th	282·6	*282·5*	− 2·0	6	− 23
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·4	1018·4	+ 1·6	290·4	298·3	4th	278·8	272·2	30th	284·6	284·3	− 1·5	63	− 10
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1016·8	+ 1·3	..	298·4	4th	..	275·2	31st	..	*285·8*	− 1·8	23	− 74
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1015·9	1018·7	+ 1·2	293·6	302·9	8th	281·4	274·2	24th, 31st	287·5	287·1	− 2·8	40	− 61
										Sea Temp.							
1226*b*		30°—35° S. 55°—50° W.	††33 6	††50 51	§(88–98)	..	1016·4	..	..	289·2	−1·4	..	..	..	..	..	..	..
1239	ϕCape Town		W.															
1240	Danger Point	33 56	E 18 29	12·2	..	1019·4	+ 1·3	291·4	298·2	4th	282·2	277·4	21st	286·8	*285·3*	− 1·1	49	− 46
1241	Riversdale	34 37	19 18	27·7	1015·6	1018·9	..	290·2	291·9	5, 12, 13	284·0	279·7	2nd	287·1	..	− 0·8	72	− 3
1242	East London	34 6	21 16	?100	..	..	..	..	..	..	..	..	..	..	..	..	21	− 18
1259	Perth (Observatory)	33 2	27 55	44·8	..	1019·4	+ 1·3	295·4	308·0	7th	284·3	279·7	26th	289·9	..	+ 0·1	40	− 4
1260	Katanning	31 57	115 51	60·0	1009·9	1017·1	− 1·3	294·2	302·2	8th	284·7	279·1	22nd	289·4	*289·4*	+ 0·5	126	0
1261	ϕCoolgardie	33 42	117 35	310	978·7	1015·7	− 2·6	291·7	300·9	10th	281·1	274·1	6th	286·4	..	+ 0·5	116	+ 64
1262	Eucla	30 57	121 10	423	968·6	1017·7	− 1·5	294·8	303·8	2nd	281·8	275·8	22nd, 28th	288·3	*288·2*	+ 1·0	14	− 20
1263	ϕStreaky Bay	31 45	128 58	4·6	1017·4	1018·0	− 1·0	296·1	310·3	3rd	284·2	276·1	27th	290·1	289·7	+ 1·2	11	− 21
1264	Adelaide	32 48	134 13	13·1	1019·2	1020·6	+ 0·2	293·3	300·2	1st	283·5	276·3	14th	288·4	*287·9*	+ 0·5	55	+ 6
1265	Melbourne	34 56	138 35	42·7	1016·0	1021·1	+ 1·1	292·1	300·1	4th	282·6	277·9	15th	287·3	*287·1*	− 0·1	62	− 9
1266	Bourke	37 49	144 58	35·1	1016·9	1021·0	+ 1·8	288·8	293·8	4th	280·6	275·2	28th	284·7	*284·4*	− 0·6	21	− 34
		30 13	145 58	110	1009·8	1023·2	+ 1·3	296·8	302·4	6th	280·3	273·6	29th	288·6	..	+ 0·2	0	− 27
1267	Sydney	33 51	151 13	42·1	1016·1	1021·1	+ 2·6	292·8	299·4	6th	283·7	279·3	30th	288·3	*287·3*	+ 0·4	73	− 59
1268	Lord Howe Island	31 20	159 0	4·6	1019·2	1019·8	+ 2·2	294·1	296·3	20th	287·8	283·1	25th	290·0	..	− 0·3	124	− 17
1271	Auckland	36 50	174 50	38·1	..	1014·2	− 0·9	290·1	292·6	8th	284·6	280·2	4th	287·3	..	+ 0·6	270	+158
1272	ϕNapier	39 29	176 55	1·5	..	..	..	288·5	292·7	2nd	280·3	275·8	18th	284·4	..	− 0·7	122	+ 27
		S.	E.															

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1007·7	..	..	..	..	..	..	..	..	..	..	93	− 5
1321	ϕIsla Guafo	43 34	74 45	140	1000·8	1017·9	+ 6·1	283·9	289·4	23rd	279·4	276·2	13th, 28th	281·7	*281·6*	− 0·6	81	− 53
1322	Punta Galera	40 1	73 44	40	1015·2	1020·1	+ 5·6	284·5	287·4	5th	279·8	274·2	19th	282·1	*282·6*	− 1·7	168	−157
1323	Sarmiento	45 30	69 0	274	978·3	1009·9	− 0·3	285·2	292·6	3rd	274·9	268·1	23rd	280·0	*279·8*	+ 0·1	4	− 14
1324	Puerto Madryn	42 49	W64 58	14	1010·2	1011·6	+ 0·4	288·3	298·6	4th	275·4	269·8	21st	281·8	*281·9*	− 1·6	2	− 18
1365	Launceston	41 27	E147 10	10·1	1016·8	1017·9	+ 1·3	288·1	291·9	1st	277·6	273·4	11th, 21st	282·9	*282·3*	+ 0·1	53	− 14
1366	Hobart	42 53	147 20	53·9	1010·1	1016·8	+ 1·5	287·4	293·7	13th	279·6	275·2	2nd	283·5	*282·9*	+ 0·2	20	− 28
1370	Invercargill

MAY—ZONE 14. RÉSEAU MONDIAL

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·7	1003·4	+ 3·1	280·2	282·0	2nd, 4th	276·4	273·0	27th	278·3	*278·5*	− 0·1	412	+174
1422	Puerto de Punta Arenas	53 10	70 54	28	996·4	999·8	− 2·3	280·2	284·8	30th	275·9	272·3	17th	278·1	*278·1*	+ 1·0	35	− 9
1423	ϕPunta Dungeness	52 24	68 26	5	998·2	998·8	− 1·7	..	..	..	276·0	273·5	18th	..	*278·7*	+ 0·5	10	− 10
1424	Santa Cruz	50 11	68 21	12	1001·7	1002·7	− 0·4	282·6	290·0	4th	276·0	271·0	17th	279·3	*279·2*	+ 1·1	4	− 11
1424a	Año Nuevo	54 39	64 8	50	988·8	994·9	− 4·1	278·3	283·0	13th	274·4	267·1	19th	276·3	*277·4*	+ 0·4	151	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	995·8	..	279·2	284·7	30th	273·9	268·6	19th	276·6	..	..	74	− 1
1426	Cape Pembroke	51 41	57 42	21·3	993·2	995·7	− 5·3	279·2	284·7	30th	274·3	268·6	19th	276·7	277·3	− 0·4	..	..
1429	S.Georgia (CumberlandBay)	54 14 S.	36 33 W.	4	988·6	989·1	− 6·5	275·2	284·2	4th	268·4	262·9	23rd	271·8	*272·1*	− 1·0	102	− 38

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7 metres.	987·0 mb.	987·9 mb.	− 5·0 mb.	267·9 °A.	276·3 °A.	4th	259·7 °A.	248·2 °A.	23rd	263·8 °A.	263·8 °A.	− 1·9 °A.	38 mm.	+ 3 mm.

*For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. 21h.	Malden Island. 905. Direction and Force (Beaufort). 9h.	Malden Island. 905. 20h.	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 8h.	Ocean Island. 970. 20h.	Suva, Fiji. 1072. Direction and Force (Beaufort). 8½h.
	9h	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8½h.
1	ESE	5·4	E 2	NE 1	SSE 4	N 1	Calm 0	E 1	E 1	SE 2	E 3	E 2	N 1
2	SE	3·8	E 2	ENE 3	WSW 5	SE 2	S 1	NE 1	NE 1	SE 2	E 2	E 1	NNE 1
3	SE	3·1	E 2	E 4	Calm 0	SW 1	W 1	E 1	E 1	Calm 0	E 2	E 2	SSW 2
4	SE	4·8	ESE 4	NW 1	W 3	S 1	Calm 0	E 2	E 1	SE 2	E 1	E 1	Calm 0
5	ESE	2·3	ESE 4	Calm 0	WSW 1	NW 2	E 1	EbyN 2	Calm 0	W 1	E 1	E 1	SE 2
6	Calm	0·5	SE 4	NE 3	SW 1	S 1	SW 1	E 1	E 1	Calm 0	E 2	E 4	SSE 4
7	Calm	2·9	SE 4	ENE 2	SW 4	S 1	Calm 0	E 2	E 2	SE 2	E 2	E 4	ESE 5
8	SE	3·1	E 5	W 1	SW 3	Calm 0	Calm 0	E 2	E 2	SE 2	E 4	E 3	ESE 5
9	Calm	0·8	E 4	NNE 1	WSW 4	Calm 0	Calm 0	E 3	E 2	..	E 3	E 2	E 4
10	SE	5·1	E 2	Calm 0	Calm 0	Calm 0	NW 1	E 2	EbyN 2	..	ENE 3	E 3	SE 4
11	SE	5·9	E 3	NW 2	SSW 4	NE 2	Calm 0	EbyS 2	ESE 1	Calm 0	ESE 2	E 2	ESE 5
12	SE	5·0	E 1	Calm 0	WSW 5	Calm 0	S 2	EbyS 2	E 1	SE 2	E 2	E 3	SE 5
13	SE	3·7	E 2	NNE 2	SW 1	SE 2	N 1	EbyS 1	EbyN 1	Calm 0	E 2	E 3	E 4
14	SE	5·3	ESE 3	ESE 1	WSW 3	W 2	Calm 0	E 1	E 1	Calm 0	E 2	E 3	NE 3
15	SE	4·8	E 3	Calm 0	SW 1	NW 1	Calm 0	E 1	EbyS 3	Calm 0	E 1	E 2	NE 3
16	SE	2·7	ESE 3	Calm 0	SW 4	SE 2	Calm 0	EbyS 2	EbyS 2	Calm 0	E 4	E 4	NE 3
17	SE	4·4	E 3	WSW 2	SW 3	W 1	Calm 0	EbyS 1	EbyS 2	ESE 1	ESE 3	ENE 1	NNE 4
18	SE	8·5	E 2	ENE 1	WSW 1	Calm 0	Calm 0	EbyS 0	EbyS 1	SE 2	E 1	ENE 3	NW 1
19	SSE	9·8	E 3	NW 2	SW 1	NE 2	S 1	EbyS 1	EbyS 1	SE 2	ENE 2	ENE 3	Calm 0
20	SE	11·2	E 3	NE 1	W 1	N 1	Calm 0	EbyS 1	EbyS 1	SE 2	ENE 3	ENE 4	E 3
21	SE	9·6	ESE 4	ENE 2	WSW 1	E 1	Calm 0	EbyS 1	E 1	SE 2	ENE 4	ENE 3	SE 4
22	SE	6·3	ESE 4	Calm 0	NNW 1	SE 1	Calm 0	E 1	E 1	SE 2	ENE 3	ENE 1	E 1
23	SE	5·9	ESE 4	Calm 0	SW 2	SW 1	Calm 0	E 1	EbyN 1	W 2	ENE 2	E 1	N 1
24	SE	0·5	E 4	ENE 2	SW 1	NE 1	Calm 0	NE 1	NE 1	W 2	NE 2	NE 3	Calm 0
25	ESE	4·9	ESE 3	E 2	SSW 1	Calm 0	Calm 0	EbyN 1	EbyN 1	SE 2	NE 3	ENE 4	NNW 1
26	ESE	6·5	ESE 3	Calm 0	WSW 2	NE 1	Calm 0	E 2	EbyN 1	SE 1	E 5	E 3	..
27	SE	4·1	ESE 2	Calm 0	SW 1	SW 1	Calm 0	EbyN 2	EbyN 1	SE 2	E 3	E 3	NE 1
28	Calm	1·7	ESE 2	Calm 0	SW 2	SW 1	Calm 0	ENE 1	E 1	SE 4	E 2	ENE 3	SE 3
29	SE	5·1	ESE 4	SW 1	WSW 2	NW 1	Calm 0	E 1	EbyS 1	W 2	ENE 3	E 1	SSE 2
30	ESE	7·1	ESE 2	SE 5	Calm 0	S 1	Calm 0	E 2	E 1	..	SE 1	SE 1	E 4
31	SE	6·2	ESE 1	E 1	NE 2	SE 3	Calm 0	E 1	E 1	..	E 2	ESE 2	SE 4
Mean	..	5·1	3·0	1·3	2·1	1·1	0·3	1·4	1·2	1·2	2·4	2·4	2·2
§Resultant	135°(84)	..	105°(94)	235°(22)		190° (9)		90°(96)		145°(49)	85°(93)		95°(85)
§Normal	139°(86)	6·0	‖84°(73)	275°(18)		240°(42)		‖83°(79)		129°(73)	‖105°(56)		102°(90)

‖ Normal refers to ½(9+21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1924.

‡‡*Kara Sea.*—On the 5th after a gale no ice was visible towards the east from Matotschkin Strait; on the 10th the sea was covered with fields of ice about 150 cm. thick. These stayed until the 31st with open leads here and there. The area covered was 255 × 10³ sq. km. as compared with a normal of 254 × 10³ sq. km.

‡‡*White Sea.*—On the 9th the ice on the Dwina broke up but there was heavy ice in the sea proper except during the last few days.

‡‡*Barents Sea.*—The scattered ice north of Cape Sviatoj disappeared. In the eastern part the edge ran from Cape Kanin to the south of Novaya Zemlya, the western coast of which was free of ice. In the northern part the edge followed lat. 75° N. except towards the east where it was lying more northerly than usual. The ice drifted from Bear Island on the 26th. The area covered was 791 × 10³ sq. km. as compared with a normal of 981 × 10³ sq. km.

‡‡*Spitsbergen.*—An ice belt nearly twice its normal width extended from Bear Island to Cape Cold leaving a landwater about 100 miles wide. North of Cape Cold the west coast was free of ice. Drift ice occurred in the fjords but they were free of ice by the 30th.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 6 days visible and 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock and Shannon Island there was old winter ice and from here to 66° N. the ice belt was much narrower than usual and the ice close. In Denmark Strait the position of the packed ice edge was normal. At Angmagsalik there was close "Storis" everywhere. From the 27th there was a broad land water at Cape Dan and off Tasiusak. The area covered was 827 × 10³ sq. km. as compared with a normal of 1062 × 10³ sq. km.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 147. This is very unusual. In the Gulf of St. Lawrence the scattered drift ice was decreasing. In Belle Isle Strait there was heavy and close pack and icebergs were numerous.

‡‡*Davis Strait and Baffin Bay.*—From Cape Farewell to Arsuk the ice edge was lying about 30 miles offshore with a land water about 10 miles wide. Northward of Arsuk the coast was free of ice. Masses of ice lay off Frederikshaab and Godthaab early but later these cleared away. Between Holstensborg and Disko Bay the west ice was close inshore. At Upernivik the ice broke up early. In Lancaster Sound all the coast ice except Admiralty Inlet had drifted away.

‡‡*Bering Sea.*—The navigable ice edge was met with more southerly than usual, in 59° N. Ice was lying packed west of St. Matthews Island but open water occurred 70 miles southwest of St. Lawrence Island.

‡‡ *Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1924

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1924

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
105	Barrow	71 23	156 17	7·0	..	1018·9	..	275·1	280·2	27th	269·7	263·0	7th	272·4	..	− 2·1	8	0
125	Upernivik	72 47	56 7	19·2	1014·0	1016·3	+ 4·3	..	..	..	276·3	271·3	14th	..	*276·7*	+ 2·0	20	+ 7
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	1018·6	1019·3	..	277·3	284·1	19th	270·9	268·4	3rd	274·1	*273·7*	..	2	..
135	Jan Mayen	70 59	W 8 18	23·1	1014·2	1017·0	..	..	281·2	17th	273·9	271·5	7th	..	*275·7*	..	8	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1016·1	1017·5	+ 4·6	..	281·2	30th	272·3	265·2	8th	..	274·3	− 0·6	7	− 4
140	Björnöen	74 28	19 17	40·5	1012·1	1017·2	..	..	276·3	21st	270·9	265·5	7th	..	*272·6*	..	8	..
141	Gjesvaer	71 6	25 22	6·5	1013·7	1014·5	+ 1·4	..	288·7	29th	276·6	272·2	1st	..	*279·2*	− 0·8	40	− 6
142	Mehavn	71 1	27 47	10·2	1013·7	1014·9	+ 2·6	..	285·6	21st	275·4	271·7	1st	..	*277·7*	− 2·0	37	− 6
143	ϕVardö	70 22	31 8	6·8	1013·9	1014·7	+ 1·4	..	283·4	18th	275·5	271·8	2nd	..	*277·4*	− 1·3	28	− 12
147	Malye Karmakouly	72 23	52 43	15·3	1012·4	1014·3	+ 2·8	276·6	284·1	25th	273·1	267·7	2nd	274·8	*274·5*	− 0·1	12	− 4
148	Waigatz	70 24	58 47	11·2	1011·2	1012·6	..	274·2	280·2	5th	270·2	264·5	2nd	272·2	*272·3*	..	11	..
153	Dickson	73 30	80 23	13	1008·3	1009·9	..	274·7	285·7	30th	271·5	265·5	3rd	273·1	..	..	1	..

Between Latitude 70° N. and 60° N. JUNE—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1016·9	+ 5·4	283·6	298·0	22nd	276·2	270·8	1st, 16th	279·9	*280·2*	− 0·3	71	+ 39
204	Candle	65 55	161 57	2·4	..	..	..	287·6	299·7	25th	274·2	268·6	2nd	280·9	..	− 0·7	..	..
205	Tanana	65 10	152 6	67·1	..	1014·9	+ 2·5	293·4	301·9	21st, 23rd	278·2	273·6	4th	285·8	*286·7*	− 1·0	28	+ 3
206	Rampart	65 30	150 15	114	..	..	..	294·0	301·9	20th, 23rd	279·1	274·1	10th, 19th	286·5	..	− 0·9	19	− 6
207	Valdez	61 7	146 16	7·6	..	..	..	290·1	295·2	11th	277·9	271·9	19th	284·0	..	+ 0·3	22	− 24
208	Eagle	64 46	141 12	254	..	1015·2	+ 4·9	293·4	300·8	24th	279·2	273·0	17th, 19th	286·3	*286·9*	− 0·1	40	+ 1
209	Dawson	64 4	139 29	324	976·5	1014·8	+ 4·2	293·6	301·3	23rd	278·6	270·2	17th	286·1	..	− 0·7	25	− 5
210	Carcross	60 11	134 34	662	..	..	..	292·1	297·4	14th	275·7	271·3	2, 3, 20	283·9	..	+ 0·6	0	− 20
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	997·6	1014·2	+ 2·4	291·9	304·7	29th	279·0	270·8	8th	285·4	..	− 0·7	40	− 2
213	ϕHay River	60 51	115 20	161	994·6	1014·1	+ 2·8	287·5	304·1	29th	278·3	273·0	8th	282·9	..	+ 0·1	18	− 17
225	Jacobshavn	69 13	51 2	31·6	1010·0	1013·9	+ 2·9	283·0	288·5	6th	277·5	274·7	12th	280·3	*280·2*	+ 2·5	7	− 14
226	Godthaab	64 11	51 43	20·4	1009·1	1011·6	+ 2·1	..	..	..	276·9	273·3	4th	..	*280·2*	+ 2·8	27	− 6
227	Ivigtut	61 12	48 10	5·0	1012·0	1012·6	+ 3·0	287·3	293·2	21st	278·5	273·9	13th	282·9	*283·3*	+ 2·2	9	− 68
229	Angmagsalik	65 37	37 33	29·3	1013·5	1017·2	+ 4·0	282·9	288·8	21st	272·2	269·6	12th	277·5	*277·3*	− 0·6	6	− 47
231	Stykkisholm	65 5	22 46	25	..	1015·5	+ 4·3	285·3	289·0	21st, 24th	277·8	273·7	2nd	281·5	*281·3*	+ 0·5	25	− 14
232	Vestmanno	63 24	20 17	132	..	1013·6	+ 1·6	286·6	291·3	3rd	278·2	274·9	3rd	282·4	*281·1*	− 0·3	21	− 62
233	Grimsey	66 33	18 1	22·0	..	1014·6	+ 2·0	279·8	284·4	5th	275·9	273·5	16th	277·9	*277·3*	− 1·2	78	+ 60
233a	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1014·0	+ 1·7	285·3	290·8	2nd	277·0	272·2	1st	281·1	*280·2*	− 0·1	53	− 12
235	Thorshavn	62 3	6 45	26·3	1010·3	1013·5	− 0·5	283·3	286·2	15th	277·7	272·0	5th	280·5	*280·6*	− 1·6	60	− 8
236	Lerwick	60 9	W 1 11	18·0	..	1013·3	− 0·7	284·4	289·1	19th, 21st	280·3	275·2	5th	282·4	*282·3*	− 0·3	57	+ 12
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1006·2	1011·6	− 1·8	287·8	297·4	18th	281·8	276·5	6th	284·8	*284·2*	− 0·7	121	+ 32
238	Aalesund	62 28	6 10	6·3	1011·5	1012·3	− 1·5	..	291·8	19th	280·6	275·8	4th	..	*282·2*	− 1·9	100	+ 47
239	ϕTrondhjem	63 26	10 25	37·0	1007·6	1012·1	− 1·9	288·0	295·6	19th	280·0	273·8	7th	284·0	*283·3*	− 1·7	84	+ 42
240	Bodö	67 17	14 24	22·3	1009·6	1012·3	− 1·2	..	293·5	20th	279·2	274·8	1st	..	*282·1*	− 0·7	23	− 30
242	Haparanda	65 50	24 9	9·2	1011·2	1012·3	+ 1·2	286·8	293·0	19th	279·6	276·0	2nd, 4th	283·2	*282·9*	− 1·6	41	+ 4
242a	Helsingfors	60 10	24 57	11·7	1010·6	1012·0	− 0·4	289·4	295·0	20th	282·5	278·9	6th	285·9	*285·9*	− 0·9	69	+ 23
243	Kuopio	62 54	27 40	**	‡983·1	‡1010·9	− 2·1	..	298·1	19th	..	278·5	14th	..	*285·1*	− 1·3	117	+ 59
244	Kola	68 53	33 1	6·7	1013·1	1013·9	+ 1·1	282·4	293·0	21st	275·9	271·6	2nd	279·2	*279·0*	− 2·8	48	+ 18
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1011·5	1012·3	+ 0·3	286·9	291·0	19th, 22nd	278·7	273·7	2nd	282·8	*282·6*	− 2·3	69	+ 24
247	Mezen	65 50	44 16	14·9	1009·8	1011·6	− 0·5	284·2	289·7	23rd	277·0	272·1	2nd	280·6	*280·6*	− 2·2	109	+ 67
248	Oust-Tsylma	65 25	52 18	?68	1002·3	1010·6	− 1·0	285·3	292·3	5th, 30th	277·5	271·0	3rd	281·4	*280·9*	− 2·3	63	+ 13
249	Tcherdyn	60 24	56 31	?177	987·5	1008·6	− 1·3	291·9	303·3	5th	281·2	274·2	16th	286·6	*286·0*	− 0·7	46	− 6
250	ϕBerezov	63 56	65 4	39·5	1006·2	1011·0	+ 0·2	287·1	300·6	5th	..	..	..	..	*282·6*	− 0·9	30	− 21
251	ϕObdorsk	66 31	66 36	35·2	1007·4	1011·7	+ 0·6	..	291·7	30th	275·6	269·3	3rd	..	*278·9*	− 1·4	69	+ 36
252	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	ϕSourgout	61 15	73 24	?40	1004·8	1009·6	+ 0·2	..	303·2	6th	277·7	272·1	4th	..	*282·8*	− 2·8	67	+ 8
254	Doudinka	69 23	86 4	20·0	1002·7	1005·2	− 2·7	..	291·9	29th	274·4	267·5	2nd	..	*277·0*	− 0·6	31	− 3
	Touroukhansk	65 47	87 57	45·0	1000·2	1005·6	− 3·5	..	296·5	29th	276·3	269·0	5th	..	*280·0*	− 1·4	91	+ 51
261	Viliouisk	63 45	121 35	120	..	..	..	..	298·5	25th	281·0	272·3	7th	..	*288·0*	+ 0·4	28	− 3
262	ϕIakoutsk	62 1	129 43	108	995·0	1007·8	+ 2·3	..	300·0	30th	281·9	275·3	9th	..	*287·7*	− 0·9	27	− 10
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105.
** Height changed from 90·3 m. to 100 m. from June 14th. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	282·2	286·3	26th	278·2	274·7	6th	280·2	..	..	98	..
302	St. Paul Island	57 15	170 10	21·3	..	1015·2	+ 2·5	280·3	286·3	23rd	275·7	271·9	1st, 2nd	278·0	..	+ 0·1	68	+ 26
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1013·2	− 2·0	286·1	292·4	..	279·1	274·7	..	282·6	*282·3*	+ 1·8	87	+ 13
304	Port Moller	55 56	160 30	5·5	..	..	..	287·1	290·8	12, 13, 15	280·3	275·2	4th	283·7	..	..	6	..
305	Dillingham	59 0	158 28	24·4	..	..	..	289·5	297·4	12th	279·9	273·0	3rd	284·7	..	+ 0·3	64	+ 17
306	Kodiak (Radio)	57 46	152 22	6·1	..	1018·6	+ 4·5	288·8	295·8	13th	280·8	276·9	5th	284·8	*284·5*	+ 1·9	‡64	− 46
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 29	††147 38	§(29)	..	1021·7	+ 6·1	..	..	281·3|+0·6	..	..	..	..	281·3	0·0	..	..
309	Sitka	57 3	135 19	27·4	..	1018·9	+ 2·3	290·3	299·7	12th	280·9	276·9	17th	285·6	*285·6*	+ 1·8	21	− 69
310	Prince Rupert	54 18	130 18	51·8	1012·9	1019·2	+ 2·4	289·7	296·3	8th	280·2	278·0	7th, 28th	284·9	*284·9*	+ 0·2	28	− 55
311	Barkerville	53 2	121 35	1274	869·3	1012·5	+ 1·2	288·0	297·4	30th	276·3	271·9	21st	282·2	*281·7*	− 0·7	113	+ 30
312	ϕKamloops	50 41	120 29	385	971·0	1015·6	− 0·3	298·7	311·1	30th	284·1	280·2	7th	291·4	*291·1*	+ 0·5	55	+ 20
313	Calgary	51 2	114 2	1045	894·7	1012·7	+ 3·0	292·4	301·9	30th	278·0	273·0	9th	285·2	*284·7*	− 1·3	127	+ 53
314	Fort Chipewyan	58 42	111 10	218	987·4	1013·4	+ 2·3	290·8	301·9	30th	279·1	270·2	14th	284·9	*285·7*	− 0·3	37	− 31
315	Prince Albert	53 10	105 38	442	961·2	1013·1	+ 4·1	293·0	300·2	30th	279·1	273·6	20th	286·1	*285·9*	− 1·5	51	− 7
316	Qu'Appelle	50 30	103 47	645	936·8	1011·2	+ 1·2	292·4	299·1	26th	279·1	275·8	6th	285·8	*285·9*	− 2·3	55	− 5
317	Minnedosa	50 15	99 50	515	951·7	1011·6	+ 0·1	292·9	299·7	1st	279·7	273·6	7th	286·3	*286·2*	− 2·2	22	− 38
318	Berens River	52 18	97 23	216	..	..	..	290·3	293·6	5th, 29th	274·8	268·6	7th	282·5	..	− 4·6	66	+ 9
318a	Port Nelson	57 0	92 51	14·9	1010·5	1012·3	− 1·0	283·4	295·8	7th	274·2	269·1	21st	278·8	..	− 1·6	18	− 40
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	296·3	16th	..	271·3	8th	..	..	..	51	+ 7
320	Moose Factory	51 14	80 30	9·1	1008·8	1009·9	− 3·1	291·2	299·7	5th	279·4	272·4	1st	285·3	..	− 0·5	61	+ 1
321	Fort George	53 50	79 5	97·5	..	..	..	285·2	296·3	9th	277·0	271·9	18th	281·1	..	..	30	..
322	Mistassini Post	50 15	73 55	383	..	..	..	290·6	296·3	24th	277·7	272·4	5th	284·2	..	− 1·4	106	+ 25
324	Natashquan	50 8	61 48	6·1	..	..	..	288·9	295·2	28tl	278·9	275·2	3rd, 11th	283·9	..	+ 1·0	45	− 26
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††51 52	††27 30	§(36)	..	1010·6	..	..	..	285·2|+0·4	..	..	..	..	285·5	..	..	..
333	53°—48° N. 20°—15° W.	††49 40	††17 18	§(41)	..	1015·6	..	..	..	286·8| 0·0	..	..	..	..	287·3	..	..	..
333a	62°—57° N. 20°—15° W.	††59 24	††17 11	§(32)	..	..	..	..	..	282·9|−0·5	..	..	..	..	282·6	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1015·3	− 0·7	288·4	290·2	6th	284·0	280·8	21st	286·2	286·2	− 0·7	127	+ 55
335	Aberdeen	57 10	W 2 6	26·8	..	1013·3	− 1·6	287·2	292·4	25th, 26th	280·8	275·8	3rd	284·0	284·2	− 0·2	45	− 7
336	Greenwich	51 28	0 0	46·3	..	1016·5	+ 0·1	294·3	300·8	26th	283·2	278·6	6th	288·7	288·1	+ 0·1	60	+ 7
337	Uccle	50 48	E 4 22	100	1004·8	1016·7	+ 0·5	294·5	299·8	17th, 26th	283·5	277·7	6th	289·0	288·1	+ 0·1	55	− 1
338	De Bilt	52 6	5 11	3·0	1016·1	1016·5	+ 0·6	293·5	299·7	1st	283·1	275·4	6th	288·3	287·9	− 0·5	36	− 21
338a	Hamburg	53 33	9 58	40·3	1010·8	1015·6	+ 0·6	292·8	299·7	19th	284·3	280·0	4th	288·5	*288·3*	− 0·6	109	+ 51
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1013·4	1014·0	− 0·2	291·3	299·5	21st	283·6	277·3	5th, 6th	287·5	*287·2*	+ 0·3	10	− 30
340	Potsdam	52 23	13 4	84·9	1005·3	1015·4	+ 0·4	294·8	303·5	21st	283·9	276·7	6th	289·3	289·1	− 0·2	38	− 22
340a	Uppsala	59 51	17 38	24	1008·4	1011·3	− 1·5	290·8	300·4	18th	281·1	274·7	7th	286·0	285·9	− 1·2	34	− 26
341	Warsaw	52 13	21 3	89·9	1003·9	1014·6	+ 1·9	295·6	304·5	22nd	285·6	278·3	7th	290·6	*290·5*	..	68	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1004·1	1013·0	+ 0·3	292·7	301·4	20th	283·6	277·7	4th	288·1	287·7	− 0·3	70	+ 11
343	Leningrad	59 56	30 16	4·8	1012·0	1012·6	+ 0·1	291·2	298·4	20th	282·9	278·1	6th	287·0	*287·0*	− 0·7	72	+ 24
344	Kiiv	50 27	30 30	183	992·6	1013·8	+ 1·4	300·9	307·8	17th	289·2	281·9	5th	295·1	*294·3*	+ 3·9	26	− 17
344a	Moscow	55 50	37 33	167	994·8	1014·4	+ 2·2	296·3	305·8	14th	284·6	279·0	6th	290·4	*290·3*	+ 1·7	45	+ 2
345	Saratov	51 33	45 57	122	999·6	1013·7	+ 3·4	302·8	311·4	15th	288·7	280·6	22nd	295·8	*295·8*	+ 4·9	45	+ 2
346	Kazan	55 47	49 8	79·9	1005·0	1014·4	+ 3·2	298·5	307·7	12th	285·9	279·7	1st	292·2	*291·8*	+ 1·4	24	− 18
347	Orenburg	51 45	55 6	109	1000·7	1013·3	+ 1·5	302·3	310·0	18th	287·1	275·7	1st	294·7	*295·3*	+ 2·7	5	− 37
348	Perm	58 1	56 16	163	993·8	1013·1	+ 2·3	294·7	302·7	12th	282·6	275·1	1st, 3rd	288·6	*288·5*	..	20	..
349	Sverdlovsk	56 50	60 38	281	979·4	1012·5	+ 2·8	293·9	305·1	8th	282·5	272·6	1st	288·2	*288·2*	+ 0·4	51	− 2
350	ϕTobolsk	58 12	68 14	108	999·4	1012·3	+ 1·5	292·5	306·0	6th	281·4	274·0	17th	287·0	*286·7*	− 2·0	32	− 19
351	Akmolinsk	51 12	71 23	347	..	..	..	294·6	306·0	29th	281·5	272·4	2nd	288·0	*288·3*	− 2·5	24	− 27
352	Omsk	55 1	73 19	108	999·0	1011·9	+ 2·1	294·3	305·0	6th, 7th	281·1	273·1	1st	287·7	*288·1*	− 1·6	60	+ 9
353	Barnaoul	53 20	83 48	162	993·5	1012·8	+ 3·1	292·3	303·6	30th	280·7	271·8	6th	286·5	*287·1*	− 3·0	47	+ 7
354	Tomsk	56 30	84 58	122	996·3	1011·0	+ 1·9	..	299·6	30th	279·6	271·9	5th, 6th	..	*284·6*	− 3·4	72	+ 27
355	Minousinsk	53 43	91 41	248	982·4	1011·6	+ 2·6	..	301·6	23rd	281·9	275·1	12th	..	*288·3*	− 2·0	58	+ 15
356	Eniseisk	58 27	92 10	77·6	1000·0	1009·4	+ 1·7	..	299·6	30th	279·1	270·1	6th	..	*284·7*	− 3·4	53	+ 11
357	Irkutsk	52 16	104 19	467	955·2	1009·5	+ 0·7	293·3	301·3	2nd	279·0	273·2	6th	286·1	286·2	− 1·3	109	+ 67
358	ϕKirensk	57 47	108 7	278	975·5	1008·2	+ 1·1	..	303·4	17th	280·2	272·1	8th	..	*286·6*	− 1·7	81	+ 39
359	ϕTchita	52 2	113 30	674	928·2	1004·4	− 0·4	..	..	..	281·1	275·1	..	..	*289·0*	+ 0·4	70	+ 28
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	990·2	1006·6	+ 1·8	298·8	308·0	19th	286·2	282·7	1st	292·5	*292·5*	+ 2·1	90	+ 49
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1012·7	‡1014·3	+ 3·1	280·9	285·5	10th, 27th	276·8	274·0	1st	278·8	*278·0*	− 1·8	46	− 1
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 106 and 107. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks" pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1016·9	+ 0·1	291·1	301·2	29th	282·4	280·4	7th	286·7	285·9	− 0·2	14	− 7
412	Portland, Oregon	45 32	122 41	46·6	1011·4	1016·9	− 0·5	296·7	309·7	29th	285·2	280·8	6th	290·9	*290·8*	+ 1·6	17	− 24
413	Macleod	49 44	113 24	953	..	..	..	292·3	299·1	4th	280·0	274·7	21st	286·2	*286·4*	− 1·6	122	+ 57
414	Helena	46 34	112 4	1253	873·1	1013·5	+ 0·3	294·7	303·6	30th	280·6	274·1	8th	287·6	*287·0*	− 1·0	29	− 30
414a	Salt Lake City	40 46	111 54	1329	865·0	1009·8	− 0·5	300·8	307·4	26th	288·2	278·6	19th	294·5	*295·3*	+ 1·2	14	− 7
415	Cheyenne	41 8	104 48	1856	813·2	1011·2	− 0·4	296·7	304·1	27th	280·7	274·7	9th	288·7	*289·1*	− 0·6	39	+ 1
416	North Platte	41 8	100 45	860	915·3	1012·8	− 0·2	299·2	306·9	22nd	286·2	278·0	1st	292·7	*292·5*	− 0·7	48	− 32
416a	Bismarck	46 47	100 38	510	954·1	1013·9	+ 1·1	294·6	301·9	21st	283·0	278·6	1st	288·8	*288·5*	− 2·2	158	+ 73
417	Winnipeg	49 53	97 7	232	984·4	1011·8	0·0	294·7	301·9	18th	280·8	273·0	7th	287·7	*288·1*	− 2·1	29	− 50
418	Duluth	46 47	92 6	345	972·2	1013·2	− 1·0	292·1	300·8	22nd	280·5	275·2	7th	286·3	*286·1*	− 0·9	100	− 6
419	Port Arthur	48 27	89 12	196	989·1	1012·4	− 1·8	291·9	299·7	21st	280·8	275·2	7th	286·3	*286·2*	− 0·4	64	− 6
420	Chicago	41 53	87 37	251	984·0	1013·9	− 1·1	295·1	307·4	19th	287·1	281·9	8th	291·1	*290·5*	− 2·0	168	+ 84
421	Toronto	43 40	79 24	116	999·3	1012·9	− 1·8	296·2	301·1	22nd	284·5	277·4	9th	290·3	292·2	− 0·4	44	− 24
422	ϕNew York (Central Park)	40 47	73 58	47·4	1008·7	1014·3	− 1·5	297·8	305·8	25th	287·9	283·6	1, 8, 9	292·9	292·5	− 1·6	71	− 16
423	St. John, N.B.	45 17	66 4	36·2	1007·4	1011·8	− 1·8	291·1	296·6	26th	281·7	278·6	4th	286·4	285·9	− 0·2	59	− 24
424	S.W. Point, Anticosti	49 24	63 33	9·1	1009·6	1010·7	− 0·8	285·1	290·5	29th	279·7	275·2	1st, 5th	282·4	*282·6*	− 0·1	98	+ 25
424a	Sable Island (Main Station)	43 57	60 6	7·6	1012·7	1013·6	− 1·7	285·8	289·1	26, 27, 30	281·3	276·3	1st	283·6	*283·4*	+ 0·2	62	− 31
425	Port aux Basques	47 35	59 10	9·1	1010·1	1011·2	− 2·4	286·3	291·9	7th	279·7	274·1	3rd	283·0	*282·7*	+ 1·1	91	− 15
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
430	50°—45° N. 35°—30° W.	††47 2	††32 14	§(15)	..	1009·2	..	..	..	287·2|−0·7	..	..	..	..	287·4	..	..	..
435	Madrid	40 24	3 41	667	940·6	1015·6	+ 0·4	301·9	308·0	30th	287·3	282·9	1st	294·6	*293·7*	+ 2·3	0	− 42
436	Nantes	47 15	W 1 34	36·5	1013·4	1017·9	+ 0·5	294·4	302·3	26th	283·7	279·7	15th	289·1	289·0	− 0·4	26	− 31
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·8	1018·0	+ 0·7	294·6	302·5	27th	283·6	278·0	16th	289·1	289·2	− 0·3	76	+ 21
438	Marseille	43 18	5 23	75	..	1013·7	− 1·1	299·7	303·0	10th	287·0	283·1	17th	293·3	*293·3*	+ 0·6	69	+ 41
438a	Zürich	47 23	8 33	493	959·8	1017·0	+ 0·4	294·8	301·0	30th	283·7	280·1	16th	289·2	288·6	− 0·6	168	+ 35
439	Rome	41 54	12 27	45·5	1009·2	1014·3	− 0·9	302·1	304·0	2nd	290·1	282·2	18th	296·1	*296·3*	+ 1·7	54	+ 14
440	Vienna	48 15	16 22	203	991·3	1015·2	+ 0·4	293·1	299·4	1st	286·3	280·8	8th	289·7	289·7	− 1·6	108	+ 38
440a	Budapest	47 31	19 1	130	998·4	1013·6	− 0·3	298·4	303·6	21st	287·8	284·5	16th	293·1	292·6	+ 0·8	211	+140
441	Sofia	42 42	23 20	550	950·1	1012·6	− 0·9	298·0	303·7	14th	287·3	282·8	19th	292·7	292·4	+ 1·1	103	+ 22
442	Bucharest	44 25	26 6	82	1002·7	1012·2	− 0·6	299·9	307·5	14th	290·0	287·5	18th	294·9	295·0	+ 1·5	127	+ 39
443	Odessa (Observatory)	46 26	30 46	42·8	1007·1	1012·1	− 0·9	..	..	..	291·8	287·5	27th	..	*295·7*	+ 2·9	6	− 50
444	ϕKharkiv (University)	50 0	36 14	140	997·5	1013·6	+ 1·6	303·8	311·5	16th	288·9	279·9	5th	296·3	*296·7*	+ 4·8	7	− 62
444a	Novorossiisk	44 44	37 49	37·1	1006·8	1011·1	− 1·5	300·8	305·5	19th	291·7	287·4	30th	296·2	*296·4*	+ 3·4	16	− 46
445	Tiflis	41 43	44 48	404	965·2	1010·6	− 1·3	303·4	307·3	8th	290·4	287·2	30th	296·9	296·9	+ 3·0	51	− 22
446	Astrakhan	46 21	48 2	−20	1015·2	1012·9	+ 1·1	302·5	308·5	15th	294·0	287·5	29th	298·2	*297·7*	+ 2·2	2	− 16
447	Fort Alexandrovsk	44 31	50 7	−23·0	1014·2	1011·6	+ 0·6	304·2	310·5	4th	294·2	289·5	22nd	299·2	*298·5*	+ 2·6	2	− 10
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1010·3	1009·8	− 0·3	306·5	311·1	20th	297·0	289·8	25th	301·8	*300·9*	+ 2·7	3	− 6
449	Kasalinsk	45 46	62 7	66·7	1003·8	1011·5	+ 2·2	..	..	..	288·7	278·4	2nd	..	*295·8*	− 0·4	15	+ 9
450	Tashkent	41 20	69 18	478	953·5	1006·9	− 0·2	304·6	309·1	9th	290·0	276·8	2nd	297·3	*296·6*	− 1·1	7	− 5
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	915·5	1009·2	+ 0·6	297·4	303·8	25th	285·7	276·1	3rd	291·6	*291·1*	− 1·7	79	+ 37
461	ϕMoukden	41 48	123 23	43·8	1001·1	1006·2	+ 2·0	302·1	307·8	7th	288·6	284·3	13th	295·3	295·0	+ 0·4	46	− 14
462	ϕJoshin	40 40	129 11	31·9	1005·8	1009·6	+ 3·1	291·5	297·6	19th	285·3	280·9	1st	288·4	288·1	− 0·4	75	− 8
463	ϕYuki	42 20	130 24	65·6	1002·0	1009·8	+ 2·6	291·1	300·3	19th	284·0	279·7	1st	287·5	287·1	− 0·5	67	+ 12
464	Vladivostok	43 7	131 54	128	994·8	1010·1	+ 1·8	290·7	298·6	24th	283·5	279·4	1st	287·1	*286·6*	− 0·3	156	+ 85
465	ϕOchiai	47 20	142 47	27·4	1008·8	1012·1	+ 3·4	290·5	304·0	21st	277·6	273·7	2nd	284·1	283·6	− 0·1	26	− 44
466	Nemuro	43 20	145 35	26·7	1008·5	1011·8	+ 1·7	284·9	299·3	21st	277·9	274·7	9th, 10th	281·4	281·2	− 1·7	26	− 57
466a	Syana	45 14	147 53	39·3	1008·0	1012·8	+ 2·5	285·2	296·9	22nd	276·9	271·8	3rd	281·1	280·8	− 1·4	91	+ 2
		N.	E.														68	+ 9

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
508	35°—30° N. 145°—140° W.	††31 56	††142 9	§(13)	..	1022·0	− 2·0	..	..	Sea Temp. 294·1|+1·1	..	..	..	..	291·3	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1008·9	1014·5	0·0	292·2	303·6	20th	284·7	283·6	6th	288·4	*287·7*	+ 1·4	0	− 4
512	San Luis Obispo	35 18	120 39	61·3	1007·4	1014·9	+ 0·2	297·3	304·7	20th	283·2	280·8	10th	290·2	*288·6*	+ 1·0	0	− 2
513	San Diego	32 43	117 10	26·5	1009·8	1012·8	0·0	294·7	299·7	30th	288·6	286·9	1st	291·6	*291·0*	+ 1·1	0	− 2
514	Modena	37 48	113 54	1670	832·8	1009·8	+ 0·5	302·8	310·8	30th	280·7	273·6	20th	291·8	*291·7*	+ 1·3	0	− 9
515	Santa Fé	35 41	105 57	2138	789·0	1008·1	+ 0·5	301·4	306·3	26th	285·3	276·3	1st	293·3	*293·9*	+ 1·6	8	− 22
516	Denver	39 45	105 0	1613	837·1	1011·2	0·0	300·9	308·0	27th	285·6	279·7	2nd	293·2	*293·0*	+ 0·6	12	− 22
517	Abilene	32 23	99 40	530	951·2	1010·5	− 1·1	308·2	315·2	18th	294·8	285·8	3rd	301·5	*301·1*	+ 2·4	8	− 61
518	Saint Louis	38 38	90 12	173	992·4	1012·5	− 1·8	300·6	306·9	28th	291·3	285·2	2nd	296·0	*295·8*	− 0·9	173	+ 57
519	Mobile	30 41	88 2	17·4	1013·4	1015·6	0·0	304·9	309·7	14th	296·1	292·4	16th	300·5	*299·6*	+ 1·3	239	+103
520	Nashville	36 10	86 47	166	995·4	1014·9	− 0·8	302·9	307·4	20th	293·1	285·8	1st	298·0	*298·1*	+ 0·6	23	− 84
521	Charleston	32 47	79 56	14·6	1013·4	1015·2	− 1·2	304·2	311·3	21st	296·4	291·9	4th	300·3	*300·0*	+ 1·7	61	− 61
522	Washington	38 54	77 3	34·1	1010·2	1014·2	− 1·3	300·1	308·0	20th	289·6	283·0	1st	294·8	*294·4*	− 0·6	99	− 6
524	Bermuda	32 17	64 46	46·0	1013·3	1018·7	− 0·3	300·2	303·8	24th	294·4	290·7	1st	297·3	*297·1*	− 0·3	118	+ 9
530	Santa Cruz (Flores)	39 27	31 9	40	1020·2	1025·1	− 0·7	294·4	298·3	2nd	289·6	286·3	9th	292·0	*292·1*	− 0·4	40	− 32
531	Horta	38 32	28 38	65	1018·1	1025·9	+ 1·9	294·1	298·3	24th	288·2	285·7	9th	291·2	291·3	− 0·8	13	− 46
532	Ponta Delgada	37 44	25 40	22	1023·0	1025·5	+ 2·0	294·1	296·2	23rd	289·1	286·9	9th	291·6	291·5	− 0·2	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	24	− 30
533	Madeira (Funchal)	32 38	16 55	25	‡1018·8	‡1021·8	+ 1·0	294·8	297·3	10th	290·0	288·2	5th	292·4	*292·6*	+ 0·1	0	− 9
535	Lisbon	38 43	9 9	95	1006·3	1017·5	+ 0·2	297·8	305·8	27th	289·2	286·8	2nd	293·5	293·2	+ 0·9	8	− 10
535a	Melilla	35 17	2 59	40	1012·9	1017·6	+ 3·0	299·3	305·6	11th	291·3	288·1	22nd	295·3	*296·3*	− 0·6	0	− 7
536	Gibraltar	36 6	5 21	16·2	..	1016·3	− 1·3	299·1	304·7	10th	291·4	288·6	19th, 20th	295·2	*294·4*	+ 0·8	0	− 12
536a	Colomb-Béchar	31 36	2 4	769	925·2	1008·5	..	307·3	311·9	30th	294·5	288·8	5th	300·9	*300·1*	..	9	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1013·0	1015·7	− 1·7	299·7	303·0	4th	289·0	286·4	17th	294·3	..	− 0·7	23	+ 5
538	Algiers (Bouzaréah)	36 47	3 2	344	975·9	1015·4	− 0·5	298·0	306·9	11th	290·9	288·5	15th	294·5	*293·9*	+ 1·0	3	− 16
538*a*	Gadames	30 9	9 30	351	..	..	..	315·4	320·0	4th, 5th	295·6	290·1	4th	305·5	..	..	0	..
539	Tunis	36 48	10 10	21	1011·7	1014·1	..	302·7	313·4	12th	292·2	289·1	9th	297·5	*296·9*	+ 1·7	9	− 7
539*a*	Malta	35 54	14 31	56·4	..	1014·7	+ 0·2	299·3	303·6	13th	293·3	290·8	15th	296·3	*295·4*	+ 0·7	5	+ 1
540	Riposto	37 41	15 14	14·2	..	1016·7	0·0	299·6	302·4	4th	292·3	290·2	14th	295·9	*294·8*	+ 0·1	4	+ 1
541	Athens	37 58	23 43	107	999·0	1011·3	− 1·4	302·8	309·0	14th	293·7	291·0	12th	298·3	298·1	+ 1·2	23	+ 7
542	Alexandria	31 12	29 53	32·0	1007·9	1011·6	− 1·1	303·2	311·6	23rd	295·4	292·9	2nd	299·3	*298·6*	+ 1·8	0	− 2
543	Nicosia (P.W.D.)	35 9	33 22	159	990·2	1008·0	− 1·0	305·5	310·8	30th	292·1	289·1	2nd, 19th	298·8	..	+ 0·7	10	− 5
544	Beirut	33 54	35 28	33·7	..	1009·4	− 1·5	301·7	302·8	27th	295·0	292·4	14th	298·3	*298·2*	+ 0·9	19	+ 15
545	Hinaidi	33 17	44 29	32·3	..	1003·2	− 0·5	313·9	316·9	1st	296·7	293·6	4th	305·3	*307·3*	..	0	..
546	Lenkoran	38 46	48 52	−20·0	1013·0	1010·7	− 0·2	..	303·5	19th, 20th	291·1	283·9	15th	..	*296·8*	+ 0·6	27	+ 4
547	Tehran	35 41	51 25	1220	..	..	..	305·2	307·7	12th, 23rd	291·9	286·9	26th	298·6	*298·2*	− 1·2	4	+ 1
548	Meshed	36 16	59 35	946	875·4	..	..	304·2	310·2	24th	284·1	280·5	4th	294·1	..	− 2·1	13	+ 4
549	Seistan	31 0	61 30	610	..	..	..	309·9	315·6	25th	295·6	291·4	20th	302·7	..	..	0	− 1
550	Quetta	30 11	67 3	1677	828·2	..	+ 0·3	305·2	310·3	27th	285·3	281·3	1st	295·3	*294·9*	− 1·5	0	− 1
551	Peshawar	34 2	71 37	339	961·2	997·9	− 0·5	314·9	319·8	26th	296·9	291·6	1st	305·9	*305·7*	− 0·2	0	− 1
551*a*	Lahore	31 34	74 20	214	973·4	996·6	− 1·3	316·2	319·2	17th	300·1	293·6	4th	308·2	*308·1*	+ 1·2	0	− 4
552	Simla	31 7	77 8	2204	777·7	..	− 0·1	298·3	301·4	18th	291·3	286·0	1st	294·8	*294·4*	+ 1·9	42	+ 18
552*a*	Leh	34 10	77 42	3503	666·6	..	+ 1·1	292·7	298·7	28th	278·1	273·5	2nd	285·4	*284·8*	− 2·1	2	− 18
559	ϕHankow	30 35	114 17	37·0	1001·5	1005·7	+ 0·4	303·7	308·0	7th	295·4	293·5	11th	299·5	*299·0*	+ 0·4	79	− 15
560	ϕTientsin	39 10	117 10	5·0	1005·1	1005·6	+ 1·1	305·1	313·0	27th	292·4	287·6	9th	298·7	*298·0*	+ 0·9	23	− 40
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1006·7	+ 0·4	300·9	305·3	13th	291·7	287·7	14th	296·3	295·4	− 0·6	235	+ 47
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1000·1	1008·0	+ 1·1	297·8	305·6	21st	288·9	285·3	3rd	293·3	292·9	+ 0·6	131	+ 47
562*a*	Nagasaki	32 44	129 52	133	992·9	1008·3	− 0·1	297·3	301·0	21st, 27th	289·7	286·0	9th	293·5	293·1	− 1·4	195	− 15
563	Kyoto	35 1	135 44	42·9	1003·3	1008·3	− 0·3	299·5	303·3	27th	288·7	284·0	20th	294·1	293·7	− 0·4	84	+ 5
564	Tokyo	35 41	139 46	5·8	1009·1	1009·8	+ 0·6	296·6	305·4	24th	288·9	285·4	8th, 9th	292·7	292·4	− 1·1	114	− 5
565	Kanayama	37 53	140 46	24·6	1007·3	1010·2	+ 1·0	293·4	300·8	21st	286·2	282·7	20th	289·8	289·2	− 2·0	106	+ 35
566	Miyako	39 38	141 59	30·4	1006·7	1010·3	+ 1·0	292·2	301·3	20th	284·5	282·1	7th, 8th	288·3	287·6	− 1·4	161	+ 35

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1016·6	− 1·4	300·8	304·7	24th	292·2	288·0	10th	296·5	*295·9*	..	129	..
605	Honolulu	21 19	157 52	11·6	1016·2	1017·5	+ 0·3	300·3	301·9	..	294·9	293·0	..	297·6	*297·5*	− 0·2	15	− 11
614	La Paz	24 10	110 20	12	1008·3	1009·7	..	304·6	308·8	15th	292·4	288·8	1st	298·5	*297·7*	..	1	..
615	Chihuahua	28 38	106 4	1423	858·2	1005·1	..	306·5	309·0	17th	291·8	284·0	1st	299·1	*301·8*	+ 2·4	0	− 1
616	Leon	21 7	101 41	1809	823·1	1010·2	+ 2·1	301·0	304·8	6th	287·5	285·8	16th	294·2	*294·4*	− 1·0	159	+ 47
616*a*	Monterry	25 40	100 18	528	952·3	1010·6	+ 1·0	305·2	308·6	16th	294·9	292·2	2nd	300·0	*299·6*	− 0·3	39	− 1
617	Tulancingo	20 5	98 22	2181	790·3	1009·9	..	297·0	301·3	7th	284·9	281·2	12th	291·0	*289·3*	− 1·3	73	+ 1
618	Galveston	29 18	94 50	16·5	1012·9	1015·2	+ 0·4	302·7	304·7	30th	298·3	293·0	2nd	300·5	*300·1*	+ 0·4	64	− 1
618*a*	New Orleans	29 57	90 4	16·2	..	1015·2	0·0	305·7	308·6	13th	297·3	294·7	2nd	301·5	*301·0*	+ 1·4	108	− 1
619	Merida, Yuc.	20 58	89 38	22	1010·5	1013·0	− 0·2	307·3	309·2	9th	295·9	294·8	4th	301·6	*300·8*	+ 1·0	149	+ 1
620	Havana	23 8	82 21	24·3	..	1015·8	+ 0·4	305·2	307·8	3rd	297·0	295·0	27th	301·1	*300·8*	+ 1·3	146	+ 1
620*a*	Key West	24 33	81 48	6·7	1015·0	1015·6	+ 0·2	304·4	305·2	9th	298·5	295·2	14th	301·4	*301·5*	+ 0·7	81	− 1
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	304·1	..	..	297·7	..	..	300·9	*300·9*	+ 0·6	41	− 1
622	Watling Island	24 6	74 26	33·5	..	1016·5	− 0·3	..	305	14, 20, 24	..	298	2nd, 4th	..	*301·6*	..	..	..
633	Port Etienne	20 56	17 3	4	..	..	..	299·8	309·0	27th	280·6	274·2	6, 8, 17	295·7	*293·9*	..	0	..
634*m*	Izaña	28 19	16 30	2367	770·9	..	..	292·1	298·4	30th	280·6	274·2	3rd	286·4	*285·7*	+ 0·4	0	..
634	La Laguna	28 28	16 20	547	954·3	1017·1	− 0·5	295·3	301·7	10th	286·2	281·0	26th	290·8	*290·2*	− 0·5	2	..
636	Adrar	27 36	W 0 4	168	..	..	..	317·8	321·0	13th, 21st	297·4	292·9	1st	307·6	*310·6*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	0	..
641	Siwa	29 12	25 29	−23	1014·2	1011·5	..	301·8	316·0	16th, 17th	291·9	290·0	4th	301·4	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	997·0	1010·0	− 0·7	308·4	315·9	26th	294·0	291·9	3rd, 22nd	301·2	*301·2*	+ 1·3	0	..
643*a*	Aswan	24 2	32 53	99·6	996·3	1007·2	− 0·3	315·6	320·0	18th	298·3	295·5	6th	307·0	*306·9*	+ 1·8	..	..
644	Tor	28 14	33 37	1·9	1007·1	1007·2	+ 0·2	307·1	311·5	17th	297·6	293·2	2nd	302·4	*301·5*	+ 1·9	0	..
647	Bushire	28 59	50 53	4·3	1000·7	1001·2	+ 0·4	307·6	310·4	1st	301·7	297·7	11th	304·7	*304·0*	+ 1·6	0	..
648	Jask	25 44	57 47	4·0	999·3	999·8	− 0·1	311·9	316·6	4th	302·6	299·6	1st	307·3	*306·7*	+ 2·2	0	..
649	Karachi	24 53	66 57	4·0	999·7	1000·3	0·0	306·1	307·7	1st	301·3	299·7	1st	303·7	*303·0*	+ 0·4	0	..
650	Jacobabad	28 17	68 29	56·7	991·4	997·5	+ 0·3	318·6	322·7	17th	301·9	295·2	2nd	310·3	*309·8*	0·0	0	..
651	Jaipur	26 56	75 52	436	952·7	999·5	0·0	314·2	317·7	17th, 18th	300·9	293·7	1st	307·6	*306·7*	+ 1·1	20	..
652	Nagpur	21 8	79 5	310	967·8	1001·5	+ 0·4	313·3	318·8	9th	301·7	297·4	28th	307·5	*306·5*	+ 2·8	45	..
653	Allahabad	25 25	81 51	94·2	988·1	997·8	− 0·8	316·9	320·3	12th	303·3	297·7	21st	310·1	*309·4*	+ 3·4	16	..
653*a*	Darjeeling	27 3	88 18	2265	771·6	..	− 1·2	288·9	296·2	6th	287·6	285·6	2nd	288·2	*287·8*	− 0·9	456	..
654	Calcutta	22 36	88 23	6·4	998·7	999·5	− 1·2	309·4	317·1	1st	300·5	296·3	23rd	304·9	*304·7*	+ 2·5	211	..
655	Gauhati	26 8	91 41	59·7	994·0	1000·9	− 2·2	304·6	308·9	6th, 7th	297·9	295·0	12th	301·3	*300·6*	0·0	295	..
655*m*	Cherrapunji	25 15	91 42	1313	861·7	..	− 1·8	295·3	300·2	6th	291·8	288·4	12th	293·6	*293·1*	+ 0·5	2915	..
655*a*	Akyab	20 11	92 56	6·1	1002·0	1002·8	− 1·4	302·9	305·8	7th	298·1	296·2	25th	300·5	*300·6*	− 0·2	1537	..
656	Mandalay	21 59	96 0	76·2	995·1	1003·6	− 1·1	309·2	311·6	6th	300·1	298·9	26th	304·7	*303·9*	+ 1·3	12	..
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·3	300·2	4th	290·2	288·0	12th	293·3	*292·7*	+ 0·4	350	..
657	Phu Lien	20 48	106 38	116	989·7	1002·8	− 0·5	304·5	308·6	28th	298·2	295·4	5th	301·4	300·9	− 0·1	188	..
658	Moncay	21 31	107 51	9·0	1001·9	1002·9	− 0·8	304·8	307·8	7th	298·3	296·0	12th	301·5	*300·8*	+ 0·4	606	..
659	Hongkong	22 18	114 10	33·2	..	1005·1	− 0·9	302·1	305·4	4th	298·3	295·7	7th	300·2	299·9	− 0·3	588	..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1006·0	1007·0	+ 0·2	303·3	306·8	20th	295·3	291·4	12th	299·3	298·6	− 1·0	279	..
661*a*	Basco	20 28	121 59	18·7	..	1006·5	− 0·6	..	..	..	297·6	295·9	16th	..	*300·6*	− 0·8	355	..
662	Naha	26 13	127 41	8·2	1007·1	1008·3	− 0·3	300·5	304·4	30th	295·6	289·4	8th	298·1	298·0	− 1·3	367	..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1011·3	1011·7	− 1·0	301·1	303·4	30th	296·6	292·0	9th	298·9	298·6	+ 0·1	113	..
		N.	E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	955·8	1011·1	..	305·4	309·8	11th	294·1	292·2	5th	299·7	*298·4*	− 0·2	137	..
716	Morelia	19 42	101 7	1923	..	..	..	296·3	299·4	16th	288·4	286·4	4th	292·3	*292·0*	+ 0·2	128	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·5	..	− 0·1	296·8	300·9	20th	284·4	282·0	16th	290·6	289·4	− 0·2	175	+ 68
718	Salina Cruz	16 12	95 12	56	1004·5	1010·9	− 0·8	302·3	306·2	15th	296·6	295·0	10th	299·4	*299·9*	− 0·7	409	+144
719	San Salvador	13 42	89 12	682	937·5	1013·2	+ 1·3	302·9	306·0	9th	292·0	290·4	22, 28, 29	297·5	*295·8*	− 0·6	340	+ 10
720	Belize	17 29	88 12	5·2	1011·1	1011·7	0·0	303·8	305·2	1st, 15th	297·5	294·1	3rd, 24th	300·7	*300·3*	− 0·1	182	− 13
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1014·1	+ 0·9	304·2	305·7	13th	295·7	294·6	11th	299·9	*299·8*	+ 0·3	216	+ 77
722	Port au Prince	18 33	72 20	37·4	1010·6	1014·9	0·0	306·6	308·7	18th	295·8	293·1	1st	301·2	*300·6*	+ 0·2	155	+ 51
723	Caracas	10 30	66 56	1042	900·1	1014·1	+ 0·5	299·3	301·0	1, 16, 17	289·0	287·0	26th	294·1	*293·2*	− 0·2	74	− 29
724	San Juan, Porto Rico	16 41	62 9	36·6	?1011·1	?1015·3	− 0·2	?303·1	?304·7	13th	?296·7	?294·7	14th	?299·9	?*299·5*	− 0·7	128	+ 19
724*a*	Grenada (Richmond Hill)	18 29	66 7	25·0	1013·5	1016·6	0·0	301·8	305·2	17th	296·5	295·8	21st	299·1	*298·8*	− 0·3	151	+ 2
725	ϕBarbados	13 8	59 36	55·2	‡995·4	‡1013·2	− 0·3	302·1	304·1	21st, 25th	296·6	295·2	14th, 30th	299·3	*298·8*	+ 0·2	148	− 57
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·7	1014·0	− 1·2	298·6	300·0	29th	292·7	291·8	5th, 16th	295·7	*296·7*	+ 0·2	0	0
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	300·3	302·7	28th	295·4	294·0	9th, 10th	297·9	*297·9*	0·0	0	0
733	Dakar	14 40	17 26	32	1008·9	1012·6	..	304·8	307·2	13th, 26th	295·5	293·9	1st	300·1	*299·5*	+ 0·4	3	− 8
734	Bathurst	14 40	17 26	32	1008·9	1012·6	..	304·8	307·2	13th, 26th	295·5	293·9	1st	300·1	*299·5*	+ 0·4	3	− 8
734*a*	M'Carthy Island	13 27	16 34	1·8	1014·2	1014·3	+ 0·9	302·7	308·0	3rd	294·2	293·6	1st	298·4	*298·3*	− 1·2	76	+ 1
735	Niénébalé	13 33	14 45	1·1	..	..	..	..	315·2	..	..	294·7	..	..	..	..	265	+149
736	Timbuktu	12 57	7 26	300	..	..	..	307·2	312·1	1st	..	..	..	..	*301·1*	..	93	..
737	Sokoto	16 43	W 3 2	270	..	..	..	314·1	318·0	4th	299·2	294·3	24th	306·7	*306·2*	− 0·9	13	− 14
738	ϕKaduna Capital	13 2	E 5 14	353	..	..	..	309·5	314·1	2nd	297·2	293·6	9th, 30th	303·3	*302·8*	+ 0·2	105	+ 2
739	Hadeija	10 32	7 25	637	944·4	1015·6	+ 0·2	303·3	310·2	9th	293·9	291·3	7, 12, 13	298·6	*298·0*	+ 0·9	201	+ 5
740	Maiduguri	12 40	10 5	?	..	..	..	310·6	315·8	1st	296·7	292·4	30th	303·7	*303·1*	0·0	60	+ 9
741	El Fasher	11 47	13 11	361	..	..	..	309·9	316·3	11th	297·4	293·0	30th	303·7	*303·1*	− 0·4	83	+ 29
743	El Obeid	13 32	25 18	730	..	..	..	311·8	314·5	3rd	295·3	293·1	8th	303·6	*302·4*	..	23	..
743*a*	Khartoum	13 11	30 14	569	946·2	1008·3	+ 0·2	..	..	..	296·1	291·0	25th	..	*301·9*	− 0·4	84	+ 54
744	Port Sudan	15 37	32 33	390	963·6	1005·8	− 0·8	314·6	316·5	15th, 19th	299·8	295·9	29th	307·2	*307·4*	+ 0·3	5	− 3
745	Berbera, Somaliland	10 27	37 13	5·5	1005·2	1005·9	+ 0·2	312·1	317·8	13th	299·3	295·9	1st	305·7	*305·0*	+ 0·7	0	0
746	Aden	12 45	45 3	28·7	1003·8	1004·9	0·0	315·6	320·2	15th	303·1	299·1	1, 2, 4	309·3	*308·6*	+ 0·5	0	0
751	Bombay	18 54	72 49	11·3	1004·0	1005·4	+ 0·3	305·5	308·0	6th	300·4	297·7	19th	302·9	302·3	+ 1·0	189	−276
752	Kodaikanal	10 14	77 28	2343	769·2	..	+ 0·1	291·4	294·4	1st	284·7	283·2	20th	288·1	*287·4*	0·0	128	+ 25
752*a*	Bangalore	12 59	77 38	921	907·8	1007·7	+ 0·6	302·5	307·4	9th	292·5	291·2	9th	297·5	*296·4*	+ 0·1	109	+ 36
753	Madras	13 4	80 14	6·7	1004·7	1005·5	+ 0·1	311·7	314·7	9th	300·5	296·1	30th	306·1	*305·4*	+ 1·1	88	+ 40
754	Vizagapatam	17 42	83 19	11·6	1000·5	1001·9	− 0·3	306·9	312·2	4th	301·3	297·0	28th	304·1	*303·4*	+ 0·7	30	− 94
755	Port Blair																	
756	Rangoon	11 40	92 40	18·0	1005·3	1007·3	0·0	302·7	303·9	8th	298·6	295·6	2nd	300·7	*300·0*	0·0	261	−230
757	Saigon (Cap St. Jacques)	16 46	95 48	5·5	1005·9	1006·6	− 0·2	303·3	305·8	6th	297·6	295·8	20th	300·5	*299·4*	+ 0·1	472	+ 14
758	Nhatrang	10 20	107 5	180	987·5	1008·0	+ 1·1	303·2	304·3	4, 23, 27	296·3	292·9	28th, 29th	299·8	*299·3*	− 0·5	196	+ 12
759	Bolinao	12 15	109 12	3·6	1005·5	1005·9	0·0	305·4	307·2	14th	297·2	296·0	20th	301·3	*300·8*	− 0·4	55	+ 7
761	Vigan	16 23	119 53	7·1	..	1007·5	+ 1·0	305·2	307·2	29th	297·4	295·9	5th	301·3	*300·3*	− 0·5	405	+ 24
761*a*	Manila	17 34	120 23	12·2	..	1007·4	− 0·1	305·1	307·1	26th	297·7	296·4	3rd	301·4	300·9	− 0·1	252	− 44
762	Ormoc	14 35	120 59	14·2	..	1008·2	+ 0·4	305·2	306·9	17th	297·3	296·3	6th	301·3	*300·7*	− 0·1	243	+ 8
765	Guam, Ladrone Is.	11 0	124 36	5·6	..	1008·3	+ 0·4	305·4	307·3	7th	296·5	294·9	23rd, 30th	300·9	*300·2*	+ 0·5	259	+ 50
		13 24	144 38	18·6	..	1009·9	+ 0·9	304·6	306·1	23rd	297·9	296·3	19th	301·3	*301·4*	+ 0·2	107	− 31
		N.	E.															

Between Latitude 10° N. and 0°.

JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1011·5	1012·1	..	304·3	305·5	20th	298·4	296·4	11th	301·4	*301·0*	+ 0·6	94	−177
821	Colon	9 23	79 23	11·0	..	1011·5	+ 0·9	303·1	305·2	7th	296·9	296·3	14th	300·0	*299·6*	+ 0·3	419	+ 81
822	Bogota	4 36	74 5	2645	745·9	..	..	291·0	293·4	7th	283·1	281·3	1st	287·1	*286·5*	..	72	+ 12
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·6	..	− 0·1	296·7	298·5	sev. dates.	288·6	287·0	5th	292·6	*291·5*	− 0·2	239	+ 44
823	Ciudad Bolivar	8 9	63 33	38	1007·5	1011·8	..	304·4	306·4	16th	296·8	295·6	20th	300·6	*300·1*	..	168	+ 33
824	El Peru, Guayanavieja	7 19	61 49	220	986·3	1011·2	0·0	303·2	304·7	16, 20, 22	293·8	292·2	3rd	298·5	*297·9*	+ 0·1	142	− 43
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·8	− 0·5	302·2	303·6	1st	296·9	295·8	2, 9, 27	299·6	*299·3*	− 0·2	403	+100
826	Paramaribo	5 49	55 9	3·7	‡1012·6	‡1013·0	− 0·8	303·5	305·1	26th	294·7	293·3	14th	299·1	*298·9*	+ 0·3	319	+ 20
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·2	307·0	25th	295·8	294·0	30th	299·0	*298·3*	− 0·6	317	− 77
831	10°—5° N. 30°—25° W.	††7 4	††27 5	§(103–111)	..	1013·6	0·0	..	..	Sea Temp. 299·4	−0·1	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1011·5	1013·3	+ 1·5	..	..	..	294·1	292·5	3, 9, 18	..	‡*300·4*	..	1008	+495
834	Freetown, Sierra Leone	8 29	13 14	68·3	1004·8	1012·7	+ 0·7	302·8	305·8	1st	295·3	293·6	7th	299·1	*298·2*	− 0·7	674	+165
835	Assuantsi	5 18	1 15	101	..	..	..	302·3	304·1	12th	296·3	291·9	13th	299·3	*298·9*	..	155	− 73
836	Accra	5 33	W 0 12	27·0	1008·7	1011·8	..	303·2	304·7	21st	296·3	294·7	27th, 28th	299·8	*299·3*	+ 1·5	63	−114
838	Lagos	6 27	E 3 24	4·6	1009·8	1010·1	− 2·3	303·4	305·9	2nd	297·2	295·2	14th	300·3	*299·5*	+ 0·9	140	−329
839	Zangeru	9 48	6 10	130	..	..	..	306·1	309·7	4th, 11th	295·6	293·0	5th, 26th	300·8	*300·2*

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1010·1	1011·1	+ 1·2	302·3	303·3	16th	297·8	296·9	5, 11, 19	300·1	*299·3*	− 1·3	48	−
924	ϕManaos	3 8	60 1	43·8	1006·0	1011·0	..	302·3	304·4	7th, 10th	295·5	293·4	1st	298·9	*298·2*	− 0·8	225	+ 16
926	Taperinha	2 30	54 20	20·0	1010·2	1012·5	+ 0·2	303·1	305·3	13th	295·1	293·9	21st	299·1	*297·8*	+ 0·3	257	+ 8
927	Turyassu	1 43	45 26	9·1	1011·2	1012·2	0·0	305·0	307·2	26th, 27th	294·6	293·5	27th	299·8	*298·5*	+ 0·1	318	+ 7
928	Barra do Corda	5 30	45 16	81·0	1001·9	1011·4	− 0·2	304·0	305·4	9th	291·7	288·2	23rd	297·8	*297·2*	− 0·3	39	+ 5
929	Quixeramobim	5 16	39 15	207	990·2	1013·8	− 0·1	300·3	302·6	3rd	294·6	291·4	29th	297·4	*297·8*	− 1·7	134	+ 58
930	Fernando Noronha	3 50	32 25	106	1000·8	1012·6	− 0·7	299·9	301·7	2nd	296·9	294·6	3rd	298·4	*298·3*	+ 0·1	474	+ 358
										Sea Temp.							
930*a*	5°—10° S. 35°—30° W.	††7 12	††33 22	§(63–70)	..	1011·9	..	..	..	300·3 | +0·7	..	..	..	..	300·5	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 46	††31 31	§(30–33)	..	1012·8	..	..	..	300·8 | +1·3	..	..	..	..	300·8	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1012·6	1014·9	− 0·9	302·4	304·1	3rd	296·8	295·2	15th	299·6	*298·9*	+ 0·5	17	+ 2
939	ϕLoanda	8 49	E13 13	51	..	1012·7	− 1·9	299·7	301·4	7th	293·4	291·3	25th	296·5	295·8	+ 1·4	0	− 2
940	Brazzaville	4 17	15 16	321	978·9	1015·3	+ 1·0	302·2	306·0	3rd	293·4	291·0	21st	297·8	*297·2*	+ 1·3	31	+ 2
943	ϕMasaka	0 21	31 47	?1280	..	..	..	300·3	301·9	14th	..	..	..	299·9	+ 0·6	83	+ 4
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	17	− 4
944*a*	Zanzibar	6 10	39 11	21·9	1015·5	1018·0	− 0·1	300·2	301·3	6th	296·3	293·6	24th	298·3	*297·8*	− 0·2	66	+ 25
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	296·3	294·1	23, 28, 29	..	..	..	510	+ 55
947	Seychelles, Port Office	4 37	55 27	4·6	1011·7	1012·3	+ 0·2	301·0	301·9	3rd	298·4	295·5	19th	299·7	*299·1*	+ 0·3	87	− 2
957	Padang	0 56	100 22	6·7	..	1009·0	− 1·1	..	..	..	..	..	..	..	..	..	148	− 17
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	+ 0·4	303·9	305·5	22nd	296·6	295·1	18th	300·2	299·7	+ 0·5	31	− 4
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 1·0	..	..	..	..	..	..	..	..	..	270	+ 5
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 5
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	1	− 5
962	Amboina	3 42	128 10	4·2	..	1009·6	− 0·5	..	..	..	..	..	..	..	..	..	1168	+ 54
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	282	+ 1
965	ϕDaru	9 4	143 13	7·6	..	1010·3	− 1·2	300·9	..	..	297·2	..	..	299·1	*298·8*	+ 0·2	105	+ 4
966	Port Moresby	9 29	147 9	39·0	..	1011·1	+ 0·2	301·9	..	..	297·0	..	..	299·4	*299·0*	+ 0·2	87	+ 6
967	Rabaul	4 9	152 12	20·7	..	1009·4	..	305·4	306·6	24th	295·2	294·1	15th	300·3	*299·6*	+ 0·2	62	− 7
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·8	1011·0	+ 0·9	303·2	305·2	15th	297·1	296·3	7, 12, 22	300·1	*299·9*	− 0·1	344	+ 18
970	Ocean Island	0 52	169 35	54·0	?1006·6	?1012·7	+ 2·5	303·7	304·7	26th, 30th	297·2	295·8	29th	300·4	*299·7*	− 0·5	40	− 8
		S.	E.															

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

1002	Apia, Samoa	13 48	171 46	2	..	1012·9	+ 1·3	302·4	304·3	5th	296·5	295·0	25th	299·4	299·5	+ 1·0	255	+ 11
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	301·1	304·1	23rd	293·5	291·3	2, 12, 30	297·3	*297·1*	+ 1·0	112	+ 2
1021	Arequipa	16 22	71 33	2452	762·5	..	+ 1·2	292·4	296·9	13th	282·5	278·3	23rd	287·5	*286·9*	+ 0·6	0	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·2	281·0	sev. dates.	..	*286·5*	..	0	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	1000·6	1013·6	+ 0·3	301·4	305·0	4th, 18th	290·4	283·2	1st	295·9	*295·4*	+ 1·4	3	−
1026	Cuyaba	15 36	56 6	165	994·4	1013·2	− 0·2	306·1	309·0	25th	290·2	283·4	1st	298·2	*296·5*	+ 1·1	0	−
1027	Bello Horizonte	19 55	43 57	895	918·2	1018·4	− 0·3	298·1	301·0	23rd	284·5	281·8	9th	291·3	*290·5*	+ 0·4	2	−
1028	Caetite	14 3	42 37	897	918·4	1018·5	+ 0·5	296·5	299·4	21st	287·2	284·3	23rd	291·8	*291·7*	− 1·3	19	−
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·4	1015·9	− 0·5	299·2	300·8	22nd	295·1	294·0	4th	297·2	*297·0*	+ 0·1	253	+ 1
1030	Aracaju	10 55	37 3	6·1	1015·5	1016·3	− 0·3	300·1	300·9	2nd	294·2	292·5	24th	297·2	*297·0*	− 1·3	257	+ 3
										Sea Temp.							
1030*a*	15°—20° S. 40°—35° W.	††7 21	††37 21	§(65–70)	..	1014·3	..	..	..	297·7 | −0·2	..	..	..	..	297·2	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††12 40	††36 16	§(47–50)	..	1014·0	..	..	..	298·3 | −0·4	..	..	..	..	300·5	..	..	..
1035	St. Helena	15 57	W 5 40	604	947·4	1016·6	+ 0·5	293·1	296·3	1st	286·1	284·7	25th	289·6	*289·4*	+ 0·5	78	− 1
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	299·2	18th	..	284·0	6th	..	*290·8*	..	0	−
1041	Livingstone	17 51	25 51	972	910·7	1018·9	..	300·1	303·1	2nd	282·3	276·6	19th	291·2	..	..	0	−
1041*a*	Elisabethville	11 39	27 28	1236	880·5	1015·9	− 0·2	299·6	302·2	4th	280·8	278·0	8th, 20th	290·2	..	+ 1·2	0	−
1042	Gwelo	19 28	29 48	1417	..	..	..	295·5	299·1	4, 6, 12	279·9	274·1	19th	287·7	..	+ 1·5	0	−
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	857·2	1017·6	− 0·8	294·9	298·0	4th, 12th	280·7	275·3	18th	287·8	286·8	+ 1·0	2	−
1044	Zomba	15 23	35 18	955	911·5	1018·1	− 0·3	296·4	299·7	4th, 25th	285·3	282·4	20th, 30th	290·8	*290·1*	+ 0·6	10	−
1044*a*	Mossuril	14 57	40 40	15	..	1018·5	..	300·7	302·3	11th	290·5	287·1	25th	295·6	295·4	..	13	−
1045	Antananarivo	18 55	47 33	1375	868·5	1019·5	+ 0·9	294·0	296·2	3rd, 20th	282·1	278·2	16th	288·1	287·6	+ 0·5	4	−
1046	Tamatave	18 10	49 24	5	..	..	..	297·3	299·5	..	291·2	287·0	..	294·2	*293·8*	..	314	+ 2
1047	Vohémar	13 21	50 1	3	..	1008·8	..	302·2	305·0	..	292·6	291·5	..	297·4	*296·8*	..	208	−
1048	Antalaha	14 58	50 19	3	..	1015·2	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1012·3	1013·0	− 0·2	301·4	303·6	10th	298·1	296·1	23rd	299·8	*299·5*	+ 0·4	442	+ 2
1057	Christmas Island	10 25	105 43	5·5	1008·4	1009·0	+ 0·1	303·2	304·1	sev. dates.	296·7	295·8	7, 19, 28	299·9	*299·3*	0·0	165	−
1061	Kupang	10 10	123 34	45·1	..	1011·8	+ 0·4	304·8	306·8	25th	294·6	290·8	11th	299·7	299·1	+ 0·4	0	−
1061*a*	Derby	17 18	123 40	16·2	1013·9	1016·0	+ 1·4	304·1	307·4	1st, 2nd	289·7	284·9	30th	296·9	..	+ 1·2	0	−
1062	Hall's Creek	18 13	127 46	373	974·2	1016·5	+ 0·2	300·3	304·0	1st	282·6	277·4	29th	291·4	*290·7*	− 0·4	0	−
1063	Darwin	12 28	130 51	29·6	1009·2	1012·6	+ 0·7	304·9	307·0	1st	293·9	291·4	30th	299·4	*298·2*	+ 0·3	0	−
1064	Daly Waters	16 16	133 23	211	989·4	1013·3	− 0·9	302·3	305·8	1st	286·2	280·8	8th	294·2	*293·5*	− 0·1	0	−
1065	Mein	13 13	142 47	122	997·1	1011·0	− 0·6	301·9	305·8	12th	290·2	282·7	14th	296·1	*295·3*	− 0·6	4	−
1066	ϕGeorgetown, Queensland	18 22	143 32	302	981·4	1016·0	+ 0·9	300·6	304·7	11th	286·4	277·4	6th, 7th	293·5	..	− 0·2	0	−
1066*a*	Willis Island	16 18	149 59	8·5	1013·2	1014·2	..	299·1	301·1	11th	295·6	292·1	29th	297·3	*297·0*	..	90	−
1067	Samarai	10 37	150 40	15·2	..	1011·6	− 0·4	301·3	..	..	296·1	..	..	298·7	*298·5*	+ 0·2	240	+ 1
1072	ϕSuva, Fiji	18 8	178 26	6·1	1015·2	1016·0	+ 0·9	299·1	301·9	14th	294·6	292·7	24th	296·9	*296·7*	+ 0·2	639	+ 2
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of the observations. ϕ Change of normals, *see* pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga, Avarua	21 12	159 47	6	..	..	..	297·7	300·2	17th	292·6	289·7	12th	295·1	*294·9*	+ 0·2	74	− 47
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·9	1019·2	+ 1·6	287·3	289·2	29th	281·7	279·0	9th	284·5	*284·3*	− 0·8	1	− 39
1122	Iquique	20 12	70 11	9	1017·0	1018·1	+ 2·4	289·6	291·0	17th	284·2	282·8	12th	286·9	*288·0*	− 1·3	0	0
1123	Catamarca	28 27	65 47	510	956·0	1015·8	+ 0·1	292·8	299·8	30th	277·2	272·0	1, 8, 9	285·0	*284·4*	0·0	2	− 2
1124	Salta	24 46	65 28	1178	883·8	1015·6	+ 1·0	292·3	299·3	29th	277·1	270·0	10th	284·7	*284·7*	+ 0·3	1	− 2
1125	Goya	29 9	59 15	26	1013·2	1016·3	+ 0·5	294·2	302·0	12th	284·6	275·2	9th	289·4	*288·4*	+ 1·7	37	− 3
1126	ϕAsuncion	25 17	57 41	93	1005·4	1016·3	− 0·3	296·0	303·0	4th	287·2	275·3	9th	291·6	*291·1*	+ 1·3	101	+ 28
1127	Curityba	25 25	49 17	908	917·2	1020·6	+ 0·5	291·9	296·2	12th	281·3	271·6	1st	286·6	*286·2*	+ 1·0	54	− 47
1128	Rio de Janeiro	22 54	43 10	18·3	1017·8	1020·0	+ 1·0	298·0	301·0	14th	291·0	287·0	1st	294·5	293·8	+ 0·3	103	+ 46
										Sea Temp.							
1128*a*	25°—30° S. 50°—45° W.	††27 18	††47 43	§(54–66)	..	1016·0	..	..	..	291·3 | −1·7	..	..	..	..	291·5	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 36	††43 45	§(48–52)	..	1015·2	..	..	..	295·5 | +0·1	..	..	..	..	295·4	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	293·5	296·1	4th	280·9	277·6	21st	287·2	*287·1*	+ 1·0	0	− 1
1141*a*	ϕJohannesburg	28 42	24 47	1202	888·0	1025·0	+ 0·4	290·9	296·9	6th, 7th	274·3	267·9	29th	282·6	281·9	− 0·5	0	− 6
1142	Bulawayo	20 9	28 35	1340	872·4	1020·6	0·0	295·0	299·7	3rd	280·1	276·0	18th	287·5	*286·8*	+ 0·4	0	− 1
1143	Durban	29 52	31 3	15·2	1021·4	1023·2	+ 0·4	295·1	299·8	7th	286·0	282·0	21st	290·6	*290·1*	− 0·1	20	− 9
1144	Lourenço Marques	25 58	32 36	59	..	1021·7	+ 0·3	298·3	306·7	10th	285·9	280·9	18th	292·1	291·3	0·0	5	− 9
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	283·8	282·8	..	..	..	..	8	..
1146	Fort Dauphin	25 2	46 58	25	..	1017·8	..	..	..	..	282·4	280·0	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1013·5	1020·0	+ 1·0	296·9	298·0	13, 19, 21	290·8	288·9	18th	293·9	293·6	0·0	37	− 34
1159	Onslow	21 43	114 57	4·3	1014·8	1015·8	+ 0·4	300·8	304·2	1st	286·9	282·3	17th, 25th	293·9	..	+ 2·0	0	− 45
1160	Cue	27 27	117 52	454	967·1	1019·6	+ 1·5	293·5	300·2	21st	282·2	276·9	16th	287·9	..	+ 1·3	12	− 22
1161	ϕNullagine	21 53	120 5	386	973·7	1017·9	+ 0·8	297·8	303·4	2nd	281·1	274·8	6th	289·4	..	0·0	3	− 23
1162	ϕLaverton	28 40	122 23	466	967·4	1021·9	+ 1·8	292·0	298·7	21st	279·9	272·9	4th	285·9	*285·8*	+ 0·8	9	− 16
1163	Alice Springs	23 38	133 37	587	952·4	1020·3	+ 1·3	292·2	298·6	3rd	274·9	268·0	29th	283·6	*283·3*	− 1·8	0	− 15
1164	William Creek	28 55	136 21	76·2	1012·8	1022·0	+ 2·4	290·8	295·8	3rd	277·0	270·5	29th	283·9	*283·6*	− 1·5	2	− 14
1164*a*	ϕBoulia	22 55	139 38	146	1001·0	1018·1	+ 1·6	296·3	302·2	1st	281·4	276·1	6th	288·9	*288·6*	+ 0·3	0	− 13
1165	Thargomindah	27 58	143 43	123	1005·7	1020·4	+ 2·0	291·8	300·4	1st	279·3	275·3	21st	285·6	*285·3*	− 0·9	13	− 9
1166	Mitchell	26 32	147 52	336	981·3	1020·4	+ 1·0	291·9	298·7	1st	276·6	269·1	20th	284·3	..	− 0·8	19	− 24
1167	Rockhampton	23 24	150 30	11·3	1016·4	1017·9	+ 0·2	296·2	300·7	5th	284·9	278·0	8th	290·6	*289·9*	0·0	78	+ 25
1168	Brisbane	27 28	153 2	41·8	1015·1	1019·6	+ 1·4	293·1	296·8	5th	283·4	279·0	19th	288·2	*287·9*	− 0·5	122	+ 52
1170	Norfolk Island	29 4	167 59	15·2	1018·5	1020·3	+ 3·2	292·9	295·5	8th	287·8	284·7	24th, 26th	290·3	*289·9*	+ 0·1	205	+ 56
		S.	E.															

Between Latitude 30° S. and 40° S.

JUNE—ZONE 12.

1221	Juan Fernandez	33 37	78 50	345	978·2	1019·3	..	286·8	289·0	26th	281·9	278·8	7th	284·3	*284·3*	..	108	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1005·1	1019·8	+ 3·3	284·8	287·0	27th	278·9	274·5	7th	281·9	*282·4*	− 1·6	122	+ 6
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1015·1	1020·1	+ 2·2	287·7	292·5	13th	280·3	277·0	8th	284·0	*283·5*	− 1·5	15	−130
1222*a*	Santiago	33 27	70 42	520	958·2	1020·2	+ 1·9	288·1	295·7	20th	275·1	270·5	8th	281·6	*280·7*	− 0·1	16	− 67
1223	Cordoba	31 25	64 12	423	966·7	1016·9	− 0·2	292·0	299·4	30th	275·8	267·0	9th	283·9	283·2	+ 0·4	3	− 4
1224	Bahia Blanca	38 45	62 15	25	1012·4	1015·5	− 0·6	286·7	291·0	30th	277·0	271·0	16th	281·8	*281·6*	+ 0·2	6	− 17
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·7	1018·7	+ 0·4	287·8	294·9	13th	278·0	271·9	25th	282·9	282·8	0·0	20	− 44
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1017·2	+ 0·1	..	292·5	13th	..	275·0	27th	..	*283·7*	− 0·2	66	− 23
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1016·4	1019·2	0·0	291·8	298·4	14th	283·2	273·7	1st, 10th	287·5	287·3	+ 0·6	92	− 32
										Sea Temp.							
1226*b*	30°—35° S. 55°—50° W.	††32 2	††52 3	§(62–69)	..	1017·3	..	..	..	286·3 | −2·1	..	..	..	..	286·2	..	..	..
1239	ϕCape Town	33 56	E 18 29	12·2	..	1020·0	− 0·1	289·9	295·9	16th	281·5	275·2	19th	285·7	*284·5*	− 0·5	121	+ 7
1240	Danger Point	34 37	19 18	27·7	1014·9	1018·2	..	290·4	298·6	7th	282·7	276·9	20th	286·6	..	+ 0·1	199	+ 95
1241	Riversdale	34 6	21 16	?100	..	..	..	293·1	304·3	6th	278·1	272·7	20th	285·6	..	..	29	− 7
1242	East London	33 2	27 55	44·8	..	1019·9	− 1·7	295·6	305·5	7th	283·5	278·0	20th	289·6	..	+ 0·8	17	− 17
1259	Perth (Observatory)	31 57	115 51	60·0	1012·5	1019·7	+ 1·8	291·6	296·3	18th, 19th	282·5	278·7	4th	287·1	*287·2*	+ 0·3	130	− 46
1260	Katanning	33 42	117 35	310	982·3	1019·6	+ 2·7	288·2	293·8	19th	279·2	275·2	6th	283·7	..	− 0·2	54	− 17
1261	ϕCoolgardie	30 57	121 10	423	971·9	1021·0	+ 2·3	291·1	297·6	6th	279·4	275·1	14th	285·2	*285·1*	+ 0·6	5	− 27
1262	Eucla	31 45	128 58	4·6	1020·2	1020·7	+ 2·2	290·8	297·2	2nd	281·5	275·6	30th	286·2	*285·9*	− 0·1	21	− 6
1263	ϕStreaky Bay	32 48	134 13	13·1	1020·2	1021·8	+ 2·8	289·3	291·4	12th	281·2	274·7	27th	285·3	*285·0*	− 0·3	47	− 24
1264	Adelaide	34 56	138 35	42·7	1016·4	1021·5	+ 2·4	288·1	290·7	13th	280·4	274·8	28th	284·2	284·1	− 0·7	94	+ 15
1265	Melbourne	37 49	144 58	35·1	1016·3	1020·2	+ 1·7	285·6	288·6	13th	279·1	274·1	13th, 28th	282·3	*281·9*	− 0·9	30	− 22
1266	Bourke	30 13	145 58	110	1011·2	1024·7	+ 2·9	291·1	299·7	1st	277·7	272·4	20th	284·4	..	− 0·7	19	− 9
1267	Sydney	33 51	151 13	42·1	1014·9	1020·0	+ 2·3	289·8	298·0	1st	281·6	277·3	20th	285·7	*284·9*	+ 0·1	51	− 69
1268	Lord Howe Island	31 20	159 0	4·6	1019·0	1019·5	+ 3·1	292·1	295·1	1st	287·0	283·0	22nd	289·6	..	− 0·1	106	− 85
1271	Auckland	36 50	174 50	38·1	..	1017·1	+ 2·7	287·4	289·7	19th, 26th	282·2	276·3	15th	284·8	..	− 0·1	168	+ 45
1272	ϕNapier	39 29	176 55	1·5	..	..	..	286·8	291·3	24, 25, 26	279·4	273·6	16th	283·1	..	0·0	44	− 46
		S.	E.															

Between Latitude 40° S. and 50° S.

JUNE—ZONE 13.

1301	Chatham Island	43 57	176 31	45·7	..	1006·3	..	..	..	..	..	..	..	..	..	..	145	+ 59
1321	ϕIsla Guafo	43 34	74 45	140	993·4	1010·4	− 3·0	282·8	286·8	1st	278·0	275·1	10th	280·4	*280·6*	− 0·3	59	− 63
1322	Punta Galera	40 1	73 44	40	1011·8	1016·7	+ 1·7	283·8	285·0	28th, 30th	280·1	274·6	7th	281·9	*282·4*	− 0·6	336	− 11
1323	Sarmiento	45 30	69 0	274	973·1	1004·8	− 6·6	282·4	286·9	27th	274·2	262·2	17th	278·3	*278·5*	+ 2·0	2	− 11
1324	Puerto Madryn	42 49	W64 58	14	1007·4	1008·8	− 3·6	287·1	291·5	2nd	276·2	267·2	17th	281·6	*281·9*	+ 1·5	3	− 15
1365	Launceston	41 27	E147 10	10·1	1014·9	1016·1	+ 0·6	285·3	287·9	14th	275·9	270·8	19th	280·6	*280·1*	− 0·4	69	− 21
1366	Hobart	42 53	147 20	53·9	1008·2	1014·9	+ 0·7	284·2	289·2	22nd	277·5	273·5	21st	280·8	*280·3*	− 0·5	71	+ 14
1370	Invercargill	46 25	168 21	3·7	..	..	..	283·7	290·2	8th	274·3	268·8	16th	279·0	..	+ 0·1	106	+ 15
1371	Dunedin	45 52	170 31	91·4	..	1012·0	− 0·6	284·1	289·1	7th	276·9	274·1	11, 20, 29	280·5	..	+ 0·9	72	− 8
1371*a*	Christchurch	43 31	172 39	7·6	..	1013·0	+ 0·4	284·6	291·2	8th	275·2	270·0	30th	279·9	..	+ 0·5	50	− 17
1372	Wellington	41 16	174 46	3·0	..	1015·4	+ 1·2	286·1	289·7	8th	280·1	273·1	17th	283·1	..	+ 0·4	75	− 46
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 113 and 114.

JUNE—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	986·3	993·0	− 9·5	279·0	280·9	4th	275·5	273·2	30th	277·3	*277·4*	− 0·1	346	+10
1422	Puerto de Punta Arenas	53 10	70 54	28	989·1	992·5	−10·5	278·3	283·4	1st	274·5	269·5	30th	276·4	*276·5*	+ 1·2	23	− 1
1423	ϕPunta Dungeness	52 24	68 26	5	992·6	993·2	− 8·8	..	..	..	273·6	268·5	29th	..	*276·4*	+ 0·1	3	− 1
1424	Santa Cruz	50 11	68 21	12	995·1	996·0	− 8·9	279·7	284·8	4th	271·9	268·4	17th	275·8	*276·1*	+ 1·2	1	− 1
1424a	Año Nuevo	54 39	64 8	50	984·0	990·1	− 9·3	277·3	280·0	2nd, 5th	274·3	270·5	15th	275·8	*276·3*	+ 0·7	80	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	991·5	994·0	− 8·6	278·7	281·3	1st	274·6	271·9	16th, 30th	276·6	277·1	+ 1·0	..	..
1429	S.Georgia (Cumberland Bay)	54 14	36 33	4	997·7	998·2	− 0·6	273·8	282·3	2nd	..	..	..	..	*271·6*	+ 0·1	131	+ 1
		S.	W.															

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	994·1	995·0	− 1·4	269·2	273·5	3rd, 8th	259·7	240·7	30th	264·4	265·0	+ 1·5	39	+ 4
		S.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

*For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8½h.
1	SE	5·7	E 4	NNE 1	WSW 2	Calm 0	S 1	E 1	EbyS 1	SE 2	ENE 2	ENE 2	ESE
2	ESE	4·4	ESE 4	ENE 1	Calm 0	W 1	Calm 0	E 2	E 1	Calm 0	ENE 2	E 4	ESE
3	Calm	0·7	ESE 5	Calm 0	Calm 0	S 2	SW 1	EbyS 1	EbyS 1	Calm 0	NE 4	NE 4	ESE
4	Calm	0·2	ESE 4	E 1	SW 1	NW 1	SW 1	E 2	E 1	Calm 0	NE 4	NE 4	NE
5	Calm	1·5	ESE 3	NE 1	Calm 0	W 1	Calm 0	E 1	E 1	..	NE 4	NE 4	ESE
6	SE	1·6	SE 4	ENE 1	SSW 1	Calm 0	S 1	E 1	EbyS 2	..	NE 4	ESE 2	ESE
7	Calm	0·1	SE 4	NNE 1	WSW 2	S 3	NW 3	EbyS 2	EbyS 1	SE 2	NE 4	E 5	ESE
8	Calm	3·3	ESE 2	ENE 1	NNW 1	N 1	Calm 0	EbyN 2	E 1	SE 2	NE 4	NE 4	E
9	SE	5·9	E 3	Calm 0	SW 3	NW 3	Calm 0	EbyN 1	EbyN 1	SE 4	NE 3	NE 2	ENE
10	SE	7·5	ESE 1	NE 1	WSW 1	N 1	Calm 0	EbyN 1	EbyN 1	SE 4	NE 2	NE 2	NE
11	SE	5·8	E 2	Calm 0	Calm 0	SE 3	Calm 0	EbyN 2	EbyN 1	SE 1	E 2	E 3	NE
12	SE	5·6	ESE 3	ENE 1	SSW 1	Calm 0	S 1	EbyN 1	EbyS 1	Calm 0	NNE 3	NE 3	NNE
13	SE	7·0	ESE 4	Calm 0	WSW 2	SE 3	Calm 0	EbyS 1	EbyS 1	SE 1	ENE 2	NE 1	NNE
14	ESE	3·3	ESE 4	Calm 0	WSW 1	SE 3	Calm 0	EbyS 2	ESE 2	Calm 0	E 2	E 2	ESE
15	SE	3·9	ESE 2	SW 1	SW 2	SE 2	Calm 0	EbyS 2	EbyS 1	Calm 0	ESE 3	E 2	Calm
16	SE	7·4	ESE 4	Calm 0	SW 1	SW 3	Calm 0	Calm 0	EbyS 1	Calm 0	NE 3	NNE 2	SW
17	SE	8·3	E 4	WSW 1	SW 2	N 1	Calm 0	EbyS 1	Calm 0	SE 2	ENE 2	E 2	Calm
18	SE	8·8	SE 3	SW 1	WSW 3	N 2	S 1	EbyS 1	EbyS 1	SE 2	NE 2	NE 1	E
19	ESE	2·7	SE 4	NNE 1	SW 2	Calm 0	Calm 0	Calm 0	EbyS 1	SE 2	ENE 1	E 2	NE
20	Calm	0·4	SE 4	WSW 1	W 3	E 1	Calm 0	EbyS 1	EbyS 1	SE 4	NE 2	E 2	NE
21	SE	3·4	SE 3	Calm 0	SW 4	S 1	SW 1	EbyS 1	EbyS 2	..	NE 2	..	NE
22	SE	5·9	E 1	SW 1	Calm 0	SE 3	S 1	E 1	Calm 0	SE 4	E 1	..	SE
23	SE	8·5	E 2	SW 1	SW 1	SE 2	Calm 0	EbyN 1	EbyN 1	W 2	E 3	..	SE
24	SE	10·2	ESE 1	Calm 0	Calm 0	SE 3	W 1	EbyN 1	Calm 0	SE 1	NE 4	..	Calm
25	SE	6·2	E 2	W 1	WSW 4	SE 3	Calm 0	EbyN 1	Calm 0	Calm 0	E 3	..	SE
26	SE	5·7	Calm 0	ENE 1	SW 2	S 3	Calm 0	EbyN 1	Calm 0	SE 1	E 5	..	NE
27	SE	1·3	ESE 2	Calm 0	WSW 3	Calm 0	Calm 0	EbyN 2	EbyN 2	Calm 0	ENE 2	..	NE
28	Calm	0·4	SE 4	ENE 1	WSW 1	Calm 0	Calm 0	ENE 2	ENE 2	SE 3	NE 2	..	NNE
29	Calm	1·0	SE 4	WSW 1	SSW 3	NE 1	NW 1	E 2	E 1	Calm 0	N 1	..	ENE
30	Calm	0·2	E 4	N 1	WSW 2	NW 1	Calm 0	EbyN 2	Calm 0	Calm 0	SE 3	ENE 3	E
Mean	..	4·2	3·0	0·7	1·6	1·6	0·4	1·3	1·0	1·4	2·7	2·7	
§ Resultant	135°(68)	..	115°(89)	240°(28)		190°(16)		90°(86)		140°(52)	65°(88)		80°
§ Normal	136°(84)	6·4	‖102°(70)	267°(19)		245°(40)		‖‖ 87°(84)		131°(81)	‖109°(53)		97°

‖ Normal refers to ½(9+21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduc

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1924

‡‡*Arctic Sea.*—At Dickson Island the sea became free of ice on the 28th except in the bights, where there was firm ice.

‡‡*Kara Sea.*—At Mare Sale and in Matotschkin Strait there was firm ice, but it scattered during the month in Kara Strait and the southern end of Yu Strait. In the northern part the firm ice was about 70 cm. thick. The area covered was 255 × 10³ sq. km. as compared with a normal of 253 × sq. km.

‡‡*White Sea.*—Navigation was not obstructed by ice after the 1st.

‡‡*Barents Sea.*—In the eastern part the west coast of Novaya Zemlya was free of ice to Cape Nassau where the edge was met with 180 miles north of normal position. In the northern part the ice was scarcer than usual. At Bear Island the sea was ice free though there was a scattered ice e 10 miles to the north until the 10th. The area covered was 681 × 10³ sq. km. as compared with a normal of 841 × 10³ sq. km.

‡‡*Spitsbergen.*—An ice belt extended from 100 miles west of South Cape to 30 miles west of Prince Charles Foreland early in the month, but later this becam much smaller than normal and by the 29th the west coast was free of ice. The fjords were free of ice throughout.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 7 days visible and 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—At Bass Rock there was a land water 4 miles wide. On the 6th the ice broke in Pendulum Strait. From here 68° N. the ice edge was lying more westerly than normal. In Denmark Strait the position of the close ice edge was normal. At Angmagsalik belt of packed ice was close inshore though after the 20th the ice began to open. The area covered was 786 × 10³ sq. km. as compared wit normal of 921 × 10³ sq. km.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 72. This is very unus The Gulf of St. Lawrence was free of ice, but in Belle Isle Strait there were many icebergs extending to 60 miles east of Belle Isle though no flat

‡‡*Davis Strait and Baffin Bay.*—An ice belt extended from Cape Farewell to north of Fiskernaes and consisted chiefly of heavy packed ice from C Farewell to Ivigtut and of scattered ice further north. Later in the month the ice north of Frederikshaab mostly disappeared. From north Fiskernaes to Upernivik the sea was free of ice except for icebergs. On the 28th the ice broke up in Eclipse Sound from the Salmon River westw

‡‡*Bering Sea and Strait.*—Scattered and close ice occurred between 60° N. and St. Lawrence Island round which there was open water but from here Kotzebue Sound the ice was packed.

‡‡*Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE
FOR THE MONTH OF JULY 1924
BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

JULY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1009·8	..	278·9	290·2	25th	272·5	268·0	4th	275·7	..	− 1·9	24	− 3
125	Upernivik	72 47	56 7	19·2	1006·6	1008·9	− 2·6	281·4	291·5	23rd	..	..	..	..	*277·8*	− 0·2	44	+ 21
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	1005·4	1008·2	..	..	284·1	25th	277·7	272·8	9th	..	*279·8*	..	13	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1009·1	1010·5	− 2·0	..	288·2	10th	278·3	275·1	1st	..	280·3	+ 1·9	17	+ 1
140	Björnöen	74 28	19 17	40·5	1006·2	1011·2	..	..	285·5	27th	276·1	271·6	2nd	..	*278·3*	..	15	..
141	Gjesvaer	71 6	25 22	6·5	1009·3	1010·1	− 1·6	..	300·2	24th	281·8	277·8	1st	..	*285·1*	+ 2·2	17	− 48
142	Mehavn	71 1	27 47	10·2	1009·2	1010·4	− 1·7	..	298·2	18th	280·8	277·2	1st	..	*283·9*	+ 1·1	23	− 26
143	ϕVardö	70 22	31 8	6·8	1009·4	1010·2	− 1·9	..	294·2	25th	279·8	276·4	15th	..	*281·9*	+ 0·2	20	− 25
147	Malye Karmakouly	72 23	52 43	15·3	1008·0	1009·8	− 3·2	284·8	290·8	9th	279·4	274·6	24th	282·1	*281·8*	+ 2·3	2	− 29
148	Waigatz	70 24	58 47	11·2	1006·0	1007·4	..	281·9	294·6	11th	275·1	271·5	24th	278·5	*278·3*	..	12	..
153	Dickson	73 30	80 23	13	1006·4	1008·0	..	285·5	294·4	12th	279·3	274·0	29th	282·4	..	..	22	..
		N.	E.															

Between Latitude 70° N. and 60° N.

JULY—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1007·8	− 3·7	284·3	291·3	18th, 19th	278·8	270·8	3rd	281·6	*281·8*	− 1·5	98	+ 25
204	Candle	65 55	161 57	2·4	..	..	..	288·3	296·3	18th	277·1	268·6	6th	282·7	..	− 1·9	..	..
205	Tanana	65 10	152 6	67·1	..	1007·8	− 3·2	291·7	300·2	17th	279·8	271·3	7th	285·8	*286·4*	− 1·9	97	+ 36
206	Rampart	65 30	150 15	114	..	..	..	292·8	300·8	13th	279·9	273·6	1st	286·3	..	− 2·4	49	+ 13
207	Valdez	61 7	146 16	7·6	..	..	..	288·1	294·7	29th	279·9	276·9	25th	284·0	..	− 0·9	73	− 7
208	Eagle	64 46	141 12	254	..	1010·5	+ 0·4	293·9	301·9	14, 17, 18	280·4	273·0	24th	287·2	*287·9*	− 0·9	55	+ 11
209	Dawson	64 4	139 29	324	972·8	1010·9	− 0·6	294·1	300·8	16th	279·7	275·2	24th	286·9	..	− 1·1	58	+ 20
210	Carcross	60 11	134 34	662	..	..	..	290·9	296·3	26th	277·9	272·4	5th	284·4	..	− 1·0	23	− 5
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	994·6	1009·8	− 0·7	297·1	301·9	17th	283·3	275·8	5th	290·2	..	+ 1·5	36	− 14
213	ϕHay River	60 51	115 20	161	991·2	1010·2	− 0·3	294·1	304·7	2nd	284·5	279·1	28th	289·3	..	+ 1·0	10	− 24
225	Jacobshavn	69 13	51 2	31·6	1004·0	1007·9	− 3·1	282·7	289·4	22nd	277·5	274·2	5th	280·1	*280·1*	− 0·6	27	− 4
226	Godthaab	64 11	51 43	20·4	1003·6	1006·1	− 3·9	..	..	..	276·7	275·1	12th	..	*280·5*	+ 0·9	30	− 29
227	Ivigtut	61 12	48 10	5·0	1005·8	1006·4	− 3·9	287·2	291·7	24th	278·7	275·8	1st	282·9	*283·5*	+ 0·6	22	− 61
229	Angmagsalik	65 37	37 33	29·3	1004·2	1007·8	− 4·0	284·5	290·5	14th, 22nd	275·2	270·2	4th	279·9	*278·8*	− 0·8	7	− 44
231	Stykkisholm	65 5	22 46	25	..	1004·4	− 5·9	288·0	291·6	25th	280·6	278·0	3rd	284·3	*282·9*	+ 0·2	26	− 12
232	Vestmanno	63 24	20 17	132	..	1003·0	− 7·0	288·5	294·2	18th	280·9	278·6	1st	284·7	*283·2*	+ 0·2	78	− 1
233	Grimsey	66 33	18 1	22·0	..	1004·0	− 6·8	283·1	288·5	19th	278·9	276·7	2nd, 4th	281·0	*280·2*	0·0	62	+ 34
233a	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1004·6	− 6·0	288·4	296·2	5th	280·4	276·9	27th	284·4	*283·6*	+ 1·8	118	+ 52
235	Thorshavn	62 3	6 45	26·3	1002·2	1005·4	− 6·2	286·2	288·1	14th	280·9	277·5	1st	283·5	*283·4*	− 0·1	98	+ 17
236	Lerwick	60 9	W 1 11	18·0	..	1007·1	− 4·1	287·2	291·9	13th	282·9	280·2	2nd	285·1	*285·0*	+ 0·6	102	+ 44
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1002·5	1007·8	− 3·5	290·5	298·0	13th	284·2	280·2	2nd	287·3	*286·7*	− 0·4	133	+ 15
238	Aalesund	62 28	6 10	6·3	1006·7	1007·5	− 3·6	..	294·3	20th	284·3	280·7	2nd	..	*286·3*	+ 0·4	59	− 23
239	ϕTrondhjem	63 26	10 25	37·0	1003·4	1007·8	− 3·7	293·3	299·8	20th	284·2	279·3	11th	288·7	*288·3*	+ 1·3	69	+ 13
240	Bodö	67 17	14 24	22·3	1006·2	1008·9	− 2·5	..	299·0	25th	285·1	280·8	12th	..	*288·4*	+ 2·9	26	− 39
241	Haparanda	65 50	24 9	9·2	1008·3	1009·4	− 0·9	295·4	303·0	20th	284·4	279·5	1st	289·9	*290·1*	+ 2·0	19	− 27
242	Helsingfors	60 10	24 57	11·7	1007·8	1009·2	− 1·6	294·4	299·0	30th	286·0	282·2	9th	290·2	*290·2*	+ 0·6	28	− 29
242a	Kuopio	62 54	27 40	100	‡981·0	‡1008·1	− 3·0	..	303·0	20th	..	284·0	6th	..	*290·8*	+ 1·3	17	− 49
243	Kola	68 53	33 1	6·7	1009·0	1009·8	− 1·3	291·9	300·8	25th	281·8	276·2	28th	286·8	*286·7*	+ 1·4	28	− 19
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1006·6	1007·4	− 3·2	290·7	296·8	28th	282·4	278·7	18th	286·6	*286·3*	− 2·4	64	+ 4
246	Mezen	65 50	44 16	14·9	1004·7	1006·5	− 3·4	288·6	295·8	26th	279·3	274·9	30th	284·0	*283·9*	− 2·7	36	− 11
247	Oust-Tsylma	65 25	52 18	?68	995·6	1003·7	− 6·7	289·7	296·2	27th	282·2	277·5	25th	286·0	*285·6*	− 1·6	88	+ 19
248	Teherdyn	60 24	56 31	?177	978·0	998·7	−10·4	293·9	299·4	11th	285·3	282·0	5th	289·6	*288·6*	− 1·6	113	+ 52
249	Berezov	63 56	65 4	39·5	998·7	1003·3	− 6·2	293·6	301·6	10th	..	..	..	..	*289·8*	+ 1·1	116	+ 56
250	ϕObdorsk	66 31	66 36	35·2	1001·9	1006·1	− 3·8	..	298·0	8th	284·9	277·3	30th	..	*288·7*	+ 1·9	124	+ 71
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	999·2	1003·8	− 3·3	..	300·4	16th	287·2	282·7	27th	..	*292·1*	+ 2·0	76	+ 10
253	Doudinka	69 23	86 4	20·0	1002·8	1005·2	− 1·0	..	298·7	9th	..	..	..	..	*288·9*	+ 3·0	52	+ 16
254	Touroukhansk	65 47	87 57	45·0	999·8	1005·1	− 0·4	..	301·6	20th	283·7	275·6	31st	..	*291·2*	+ 2·4	53	+ 3
261	Vilionisk	63 45	121 35	120	..	..	..	..	301·6	27th	283·2	276·8	12th	..	*289·2*	− 2·0	51	+ 16
262	ϕIakoutsk	62 1	129 43	108	989·1	1001·8	− 3·2	..	299·9	28th	284·1	278·3	13th	..	*289·0*	− 2·8	58	+ 18
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105.
ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	284·7	288·0	25th	279·9	278·0	1, 2, 24	282·3	..	..	43	..
302	St. Paul Island	57 15	170 10	21·3	..	1010·1	− 1·1	282·3	285·2	5th, 6th	278·4	275·2	1st	280·3	..	− 0·1	81	+ ..
303	Dutch Harbour (Radio)	53 55	166 30	15·2	..	1013·2	− 2·9	288·0	295·2	12th	280·3	278·6	sev. dates	284·2	*283·4*	+ 0·5	49	..
304	Port Moller	55 56	160 30	5·5	..	..	..	286·7	293·0	28th	280·5	276·9	12th	283·6	..	..	3	+ ..
305	Dillingham	59 0	158 28	24·4	..	..	..	288·7	299·1	2nd	280·8	276·3	24th	284·8	..	− 1·1	77	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·8	− 1·9	288·5	294·1	28th	281·7	277·4	23rd	285·1	*284·8*	− 0·3	59	− ..
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 39	††147 37	§(22)	..	1019·3	+ 1·4	..	..	283·6| −0·6	..	..	..	..	284·1	+ 1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1017·9	+ 0·4	288·9	294·1	28th	282·6	277·4	5th	285·8	*285·7*	+ 0·1	152	+ ..
310	Prince Rupert	54 18	130 18	51·8	1013·1	1019·4	+ 1·0	290·2	299·7	25th	283·0	279·1	10th	286·6	*286·5*	+ 0·4	162	+ ..
311	Barkerville	53 2	121 35	1274	870·7	1012·1	− 0·4	291·9	298·6	2nd	279·1	274·1	11th	285·5	*285·1*	+ 0·2	70	+ ..
312	ϕKamloops	50 41	120 29	385	970·7	1014·7	− 1·2	302·6	311·3	1st	287·1	281·9	8th	294·8	*294·4*	+ 0·7	31	+ ..
313	Calgary	51 2	114 2	1045	894·7	1010·3	− 0·3	299·7	306·3	14th	281·3	276·3	7, 11, 23	290·5	*289·8*	+ 1·3	64	− ..
314	Fort Chipewyan	58 42	111 10	218	983·6	1009·1	− 1·6	295·8	304·7	3rd	283·0	274·1	12th	289·4	*290·1*	− 0·2	48	− ..
315	Prince Albert	53 10	105 38	442	961·6	1012·4	+ 2·4	298·6	306·9	6th	284·7	279·1	13th	291·6	*291·2*	+ 1·5	30	− ..
316	Qu'Appelle	50 30	103 47	645	937·5	1010·7	− 0·1	298·6	304·7	5th, 6th	283·0	276·9	13th	290·8	*290·4*	+ 0·3	38	− ..
317	Minnedosa	50 15	99 50	515	953·3	1012·3	+ 0·4	297·4	304·7	6th	285·2	277·4	2nd	291·3	*290·5*	+ 0·7	44	− ..
318	Berens River	52 18	97 23	216	..	..	..	294·9	301·9	9th	279·3	274·1	1st, 19th	287·1	..	− 4·2	24	+ ..
318a	Port Nelson	57 0	92 51	14·9	1009·1	1010·9	− 0·6	293·0	303·6	3rd, 7th	279·7	270·8	25th	286·3	..	+ 0·1	65	+ ..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1009·1	1010·2	− 0·7	294·0	305·2	7th	282·6	275·2	28th	288·3	..	− 1·0	88	+ ..
321	Fort George	53 50	79 5	97·5	..	..	..	289·1	299·7	7, 8, 20	280·9	273·0	26th	285·0	..	..	63	+ ..
322	Mistassini Post	50 15	73 55	383	..	..	..	293·2	302·2	9th	281·3	273·4	28th	287·2	..	− 1·9	121	+ ..
324	Natashquan	50 8	61 48	6·1	..	..	..	292·1	298·0	3rd	281·1	276·3	9th	286·6	..	− 0·3	81	− ..
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††52 28	††27 49	§(34)	..	1013·0	..	..	..	285·6| −0·6	..	..	..	..	286·0	..	..	..
333	53°—48° N. 20°—15° W.	††50 35	††17 21	§(33–34)	..	1014·8	..	..	..	287·3 −1·1	..	..	..	..	..	..	..	..
333a	62°—57° N. 20°—15° W.	††59 53	††17 29	§(69)	..	..	..	..	..	284·7| −0·1	..	..	..	..	285·2	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1011·0	− 4·5	289·3	290·8	9th	285·3	280·2	1st	287·3	287·1	− 0·9	140	+ ..
335	Aberdeen	57 10	W 2 6	26·8	..	1007·9	− 4·7	289·8	296·3	11th	283·8	281·9	20th	286·8	286·5	+ 0·3	135	+ ..
336	Greenwich	51 28	0 0	46·3	..	1012·5	− 3·1	296·2	304·7	12th	284·3	279·7	1st	290·2	289·4	− 0·4	107	+ ..
337	Uccle	50 48	E 4 22	100	1001·6	1013·4	− 2·5	296·4	304·6	12th	284·5	281·2	27th	290·4	289·4	+ 0·1	78	− ..
338	De Bilt	52 6	5 11	3·0	1012·1	1012·5	− 2·8	294·4	303·4	13th	285·0	281·6	9th	289·7	289·3	− 0·6	82	+ ..
338a	Hamburg	53 33	9 58	40·3	1007·4	1012·2	− 1·6	294·4	304·3	13th	285·9	282·5	25th	290·1	*289·8*	− 0·2	64	− ..
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1010·0	1010·6	− 2·3	292·5	296·6	13th	284·5	280·8	2nd	288·5	*288·6*	+ 0·2	32	− ..
340	Potsdam	52 23	13 4	84·9	1002·7	1012·7	− 1·7	296·3	305·4	13th	285·6	281·5	26th	290·9	290·6	0·0	90	+ ..
340a	Uppsala	59 51	17 38	24	1005·8	1008·6	− 2·0	295·7	300·4	22nd	284·1	280·8	16th	289·9	289·9	+ 0·3	42	− ..
341	Warsaw	52 13	21 3	89·9	1002·0	1012·7	− 1·4	295·3	303·9	5th	285·6	281·8	27th	290·5	*290·5*	..	78	− ..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1000·5	1009·3	− 1·7	295·4	300·2	24th	284·7	280·0	3rd	290·1	289·6	− 0·4	62	− ..
343	Leningrad	59 56	30 16	4·8	1008·3	1008·9	− 1·7	293·8	298·1	20th	285·6	282·6	3rd	289·7	*289·9*	− 0·5	39	− ..
344	Kiiv	50 27	30 30	183	989·0	1010·4	− 1·3	297·2	306·9	6th	287·4	284·7	12th, 17th	292·3	*291·2*	− 1·1	122	− ..
344a	Moscow	55 50	37 33	167	987·8	1007·5	− 3·1	294·3	299·5	31st	283·9	280·7	4th	289·1	*289·0*	− 2·0	78	− ..
345	Saratov	51 33	45 57	122	991·5	1005·7	− 3·9	299·3	307·7	6th	288·0	284·6	1st	293·6	*293·1*	− 0·6	56	− ..
346	Kazan	55 47	49 8	79·9	995·0	1004·3	− 6·1	296·9	303·5	13th	286·3	283·2	18th	291·6	*291·0*	− 1·9	38	− ..
347	Orenburg	51 45	55 6	109	991·8	1004·4	− 5·3	300·5	311·1	10th	288·5	285·9	15th	294·5	*294·1*	− 0·8	94	− ..
348	Perm	58 1	56 16	163	983·8	1002·8	− 6·6	294·7	301·2	13th	285·4	281·8	4th	290·0	*289·5*	− 1·4	178	− ..
349	Sverdlovsk	56 50	60 38	281	970·0	1002·4	− 5·6	294·8	300·8	14th	285·8	282·7	5th	290·3	*290·0*	0·0	92	− ..
350	ϕTobolsk	58 12	68 14	108	991·2	1003·7	− 4·9	297·7	301·8	1st	287·4	283·3	5th	292·6	*292·3*	+ 1·2	99	− ..
351	Akmolinsk	51 12	71 23	347	..	..	..	303·3	310·1	12th	287·5	283·2	1st	295·4	*295·8*	+ 2·6	11	− ..
352	Omsk	55 1	73 19	108	992·4	1004·9	− 3·1	301·5	307·5	12th, 17th	288·5	285·1	6th	295·0	*294·4*	+ 2·0	24	− ..
353	Barnaoul	53 20	83 48	162	987·5	1006·0	+ 0·3	302·4	307·1	20th	289·1	283·6	30th	295·8	*296·2*	+ 3·9	52	− ..
354	Tomsk	56 30	84 58	122	991·2	1005·3	− 1·8	..	302·9	2nd	288·2	282·5	29th	..	*293·8*	+ 3·0	45	− ..
355	Minousinsk	53 43	91 41	248	977·2	1005·5	− 1·0	..	306·8	2nd	289·7	283·7	30th	..	*296·1*	+ 2·8	75	− ..
356	Eniseisk	58 27	92 10	77·6	996·8	1005·9	− 0·3	..	302·5	18th	285·3	281·2	31st	..	*293·2*	+ 1·3	55	− ..
357	Irkutsk	52 16	104 19	467	953·1	1006·2	− 0·3	299·2	305·5	15th	284·1	279·1	11th	291·7	292·0	+ 1·7	74	− ..
358	ϕKirensk	57 47	108 7	278	974·4	1006·6	+ 0·7	..	302·8	13th, 21st	283·8	279·5	11th	..	*290·6*	− 1·1	94	− ..
359	ϕTchita	52 2	113 30	674	927·1	1002·5	− 1·5	..	..	..	283·5	276·9	13th	..	*291·3*	− 0·4	87	− ..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	959·0	1002·4	− 3·3	297·2	304·5	17th	282·6	275·3	8th	289·9	*290·5*	− 0·5	169	− ..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	986·2	1002·5	− 3·0	299·3	304·0	29th	289·7	284·5	12th	294·5	*294·0*	− 0·3	145	− ..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1005·8	‡1007·4	− 2·9	285·3	299·0	27th	279·5	276·5	4th	282·4	*281·5*	− 2·1	57	− ..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and ‡‡ Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·5	+ 0·2	293·0	306·4	24th	283·9	282·0	7th, 20th	288·5	287·9	− 0·1	8	− 3
412	Portland, Oregon	45 32	122 41	46·6	1012·3	1017·6	+ 0·5	298·7	310·2	24th	286·2	283·0	20th	292·4	*292·3*	+ 0·2	1	− 14
413	Macleod	..	..	..	..	..	..	300·3	308·0	3rd	282·9	276·9	11th	291·6	*292·0*	+ 0·4	10	− 41
414	Helena	49 44	113 24	953	..	..	..	300·3	308·6	3rd	285·1	278·6	19th	292·9	*292·8*	0·0	23	− 6
414a	Salt Lake City	40 46	111 54	1329	874·2	1013·2	− 0·6	300·8	308·6	3rd	285·1	278·6	19th	292·9	*292·8*	+ 0·5	11	− 2
415	Cheyenne	41 8	104 48	1856	816·1	1013·2	− 0·4	299·3	304·7	15th	284·2	278·6	9th	291·8	*292·3*	− 0·8	28	− 23
416a	North Platte	41 8	100 45	860	918·3	1015·6	+ 0·9	302·8	310·2	16th	288·3	282·4	2nd	295·6	*295·3*	− 0·8	25	− 46
417	Bismarck	46 47	100 38	510	955·7	1015·2	+ 1·0	299·4	305·8	15th	286·1	281·3	13th	292·7	*293·1*	− 1·4	36	− 21
418	Winnipeg	49 53	97 7	232	986·1	1013·1	+ 0·8	298·0	305·8	6th	285·8	276·3	17th	291·9	*292·2*	− 0·2	76	− 3
	Duluth	46 47	92 6	345	974·4	1015·2	+ 1·0	295·8	302·4	11th	283·9	278·6	31st	289·9	*289·3*	− 1·4	149	+ 53
419	Port Arthur	48 27	89 12	196	991·0	1014·1	+ 0·3	294·7	304·7	11th	283·6	277·4	18th	289·1	*288·9*	− 0·7	85	− 9
420	Chicago	41 53	87 37	251	987·1	1016·6	+ 1·1	297·8	305·8	28th	290·7	284·7	1st	294·2	*294·3*	− 2·1	93	+ 7
421	Toronto	43 40	79 24	116	1001·3	1014·9	+ 0·5	298·7	304·3	23rd	286·7	281·9	2nd	292·7	292·4	− 0·9	106	+ 34
422	ϕNew York (Central Park)	40 47	73 58	47·4	1010·3	1015·8	+ 0·3	301·6	308·0	30th	291·2	286·9	19th	296·4	295·9	− 1·0	23	− 89
423	St. John, N.B.	45 17	66 4	36·2	1007·8	1012·1	− 1·6	293·7	301·5	7th	283·9	282·1	18th	288·8	288·4	0·0	43	− 49
424	S.W. Point, Anticosti	49 24	63 33	9·1	1007·4	1008·5	− 2·0	289·7	294·9	9th	284·2	280·8	17th, 31st	286·9	*287·2*	+ 0·2	77	− 4
424a	Sable Island (Main Station)	43 57	60 6	7·6	1014·2	1015·1	− 0·2	290·8	294·7	30th	286·4	284·1	3, 4, 5	288·6	*288·3*	+ 5·2	88	− 5
425	Port aux Basques	47 35	59 10	9·1	1009·9	1011·0	− 2·7	291·8	294·1	6th	284·4	281·6	9th	288·1	*287·9*	+ 1·9	59	− 53
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
													Sea Temp.					
430	50°—45° N. 35°—30° W.	††46 58	††32 36	§(18–19)	..	1009·9	..	..	..	288·6| −0·8	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	940·2	1014·4	− 0·3	304·8	308·9	13th, 14th	289·8	285·6	6th	297·3	*296·6*	+ 1·2	0	− 10
436	Nantes	47 15	W 1 34	36·5	1011·4	1015·9	− 2·0	295·6	306·1	12th	285·7	281·5	20th	290·7	290·5	− 0·7	70	+ 14
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·4	1015·6	− 1·4	296·0	304·4	12th	285·4	282·1	20th	290·7	290·8	− 0·3	47	− 5
438	Marseille	43 18	5 23	75	..	1013·8	− 1·3	302·3	306·7	8th	289·9	283·5	28th	296·1	*295·1*	0·0	68	+ 51
438a	Zürich	47 23	8 33	493	959·3	1016·0	− 0·8	296·9	305·5	4th	286·1	280·9	28th	291·5	290·5	− 0·6	129	− 1
439	Rome	41 54	12 27	45·5	1008·4	1013·4	− 1·6	304·8	308·6	5th	293·1	288·9	29th	298·9	*299·0*	+ 1·5	1	− 16
440	Vienna	48 15	16 22	203	990·4	1014·0	− 1·0	296·0	301·4	22nd	287·3	283·7	16th	291·7	291·8	− 1·3	42	− 37
440a	Budapest	47 31	19 1	130	998·3	1013·5	− 0·4	299·9	307·1	5th	288·1	283·1	16th	294·0	293·7	− 0·1	36	− 19
441	Sofia	42 42	23 20	550	950·8	1012·8	− 0·9	300·5	306·1	23rd	287·6	281·4	27th	294·1	294·1	+ 0·5	18	− 54
442	Bucharest	44 25	26 6	82	1002·8	1012·3	− 0·3	303·1	311·6	7th	288·9	282·5	27th	296·0	295·5	− 0·2	47	− 21
443	Odessa (Observatory)	46 26	30 46	42·8	1006·4	1011·4	− 1·0	299·7	308·5	4th	289·7	284·1	13th	294·7	*294·3*	− 1·3	17	− 32
444	ϕKharkiv (University)	50 0	36 14	140	993·1	1009·3	− 2·7	299·2	309·4	6th	287·0	282·7	1st	293·1	*292·8*	− 1·4	41	− 21
444a	Novorossiisk	44 44	37 49	37·1	1006·8	1011·1	+ 0·2	299·9	304·6	7th	291·1	287·0	19th	295·5	*295·7*	− 0·7	83	+ 23
445	Tiflis	41 43	44 48	404	963·9	1009·1	− 0·7	303·7	309·8	12th	291·6	287·0	25th	297·7	297·6	+ 0·4	15	− 34
446	Astrakhan	46 21	48 2	−20	1011·1	1008·8	− 1·8	302·4	309·5	7th, 11th	292·1	288·5	1st	297·2	*297·0*	− 0·5	12	− 1
447	Fort Alexandrovsk	44 31	50 7	−23·0	1011·5	1008·8	− 1·0	301·5	308·2	13th	294·6	290·7	3rd	298·0	*297·6*	− 1·3	14	− 1
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1008·4	1007·9	− 0·1	305·6	313·0	11th	295·9	291·7	2nd	300·8	*300·0*	− 1·5	49	+ 44
449	Kasalinsk	45 46	62 7	66·7	999·1	1006·7	− 0·5	..	..	..	..	..	..	..	*299·4*	+ 1·0	9	+ 2
450	Tashkent	41 20	69 18	478	949·2	1001·6	− 2·2	309·3	315·1	19th	292·6	286·4	1st	301·0	*300·9*	+ 1·2	8	+ 4
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	45	+ 7
452	Alma Ata	43 16	76 53	841	911·8	1003·0	− 1·9	303·6	310·2	25th	291·8	284·9	5th	297·7	*297·2*	+ 1·8	29	− 6
461	ϕMoukden	41 48	123 23	43·8	1000·8	1005·8	+ 1·4	303·0	305·4	6th, 8th	293·8	290·3	22nd	298·4	297·6	− 0·1	229	+ 75
462	ϕJoshin	40 40	129 11	31·9	1004·7	1008·4	+ 1·2	298·8	306·3	8th	291·2	287·0	4th, 5th	295·0	294·4	+ 1·3	96	− 12
463	ϕYuki	42 20	130 24	65·6	1000·6	1008·2	+ 0·5	298·7	306·2	31st	291·5	285·4	3rd	295·1	294·6	+ 2·2	49	− 58
464	Vladivostok	43 7	131 54	128	993·8	1008·6	+ 0·4	298·3	305·5	31st	291·4	284·5	3rd	294·8	*294·2*	+ 2·6	61	− 16
465	ϕOchiai	47 20	142 47	27·4	1003·7	1006·9	− 2·6	297·0	305·3	29th	285·9	279·6	2nd, 4th	291·5	291·2	+ 3·3	100	− 2
466	Nemuro	43 20	145 35	26·7	1007·3	1010·5	+ 0·4	295·6	304·8	21st	285·4	277·0	3rd	290·5	290·3	+ 3·2	56	− 40
466a	Syana	45 14	147 53	39·3	1005·2	1009·9	− 0·6	294·2	301·8	22nd	285·1	274·3	4th	289·7	289·5	+ 2·9	61	− 15
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half.)

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
508	35°—30° N. 145°—140° W.	††32 10	††141 35	§(16)	..	1024·0	+ 0·3	..	..	Sea Temp. 293·6| 0·0	..	..	..	..	293·6	+ 0·6	..	..
511	San Francisco	37 48	122 26	47·2	1008·9	1014·5	+ 0·3	291·2	294·1	31st	284·9	283·0	7th	288·0	*287·4*	+ 0·9	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1007·9	1015·2	+ 0·8	296·4	304·1	26th	283·3	279·1	14th	289·9	*288·6*	− 0·5	0	0
513	San Diego	32 43	117 10	26·5	1010·3	1013·5	+ 0·4	295·1	298·6	1st	289·7	287·4	13th	292·4	*291·9*	+ 0·1	0	− 2
514	Modena	37 48	113 54	1670	835·0	1012·2	+ 0·2	303·9	308·6	1st	284·7	279·7	14th	294·3	*293·3*	− 0·6	28	− 9
515	Santa Fé	35 41	105 57	2138	791·2	1011·8	0·0	299·6	303·0	13th	286·2	282·4	5th	292·9	*292·6*	− 0·3	39	− 28
516	Denver	39 45	105 0	1613	839·9	1013·9	− 0·1	301·9	306·9	15th	288·3	285·8	25th	295·1	*295·0*	− 0·2	8	− 37
517	Abilene	32 23	99 40	530	954·1	1013·5	+ 0·1	306·6	312·4	12th	294·9	287·4	5th	300·8	*300·6*	− 0·2	16	− 34
518	Saint Louis	38 38	90 12	173	996·0	1016·2	+ 0·8	301·4	306·9	21st	292·4	285·8	3rd	296·9	*297·0*	− 2·3	92	0
519	Mobile	30 41	88 2	17·4	1014·5	1016·6	+ 0·1	305·7	310·8	23rd	295·8	289·7	3rd	300·8	*300·0*	+ 0·9	109	− 70
520	Nashville	36 10	86 47	166	997·7	1017·3	+ 0·8	303·2	307·4	21st	292·3	285·8	2nd	297·7	*297·8*	− 1·4	111	+ 6
521	Charleston	32 47	79 56	14·6	1014·8	1016·6	− 0·4	304·0	308·0	31st	296·7	293·0	3rd	300·3	*300·2*	+ 0·3	167	− 13
522	Washington	38 54	77 3	34·1	1012·0	1015·9	+ 0·4	302·2	308·0	30th	291·6	287·4	19th	296·9	*297·1*	− 0·8	70	− 50
524	Bermuda	32 17	64 46	46·0	1015·6	1020·9	+ 0·6	301·7	302·9	8, 14, 27	295·9	293·8	21st, 22nd	298·8	*298·8*	− 0·6	195	+ 77
530	Santa Cruz (Flores)	39 27	31 9	40	1019·4	1024·3	− 1·6	296·2	300·1	31st	291·2	288·1	11th	293·7	*293·7*	− 0·9	48	− 7
531	Horta	38 32	28 38	65	1016·5	1024·3	− 0·7	297·1	301·2	29th	289·7	288·3	4th, 6th	293·4	293·1	− 1·4	61	+ 7
532	Ponta Delgada	37 44	25 40	22	1021·4	1023·9	− 0·2	295·5	297·1	31st	291·1	289·0	2nd	293·3	293·1	− 0·8	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	19	− 13
533	Madeira (Funchal)	32 38	16 55	25	‡1018·7	‡1021·7	+ 1·4	297·1	301·1	15th	291·9	290·1	1st, 6th	294·5	*294·6*	+ 0·4	0	− 3
535	Melilla	38 43	9 9	95	1006·5	1017·5	+ 0·3	299·7	308·2	25th	290·6	287·9	23rd	295·1	294·6	+ 0·5	0	− 4
535a	Lisbon	38 43	9 9	95	1006·5	1017·5	+ 0·3	299·7	308·2	25th	290·6	287·9	23rd	295·1	294·6	+ 0·5	0	− 4
536	Gibraltar	35 17	2 59	40	1011·9	1016·5	+ 1·9	302·8	305·1	17th	292·9	284·4	22nd	297·9	*299·3*	− 1·1	0	− 1
536a	Colomb-Béchar	36 6	5 21	16·2	..	1016·2	− 0·8	301·4	305·8	17th	292·8	290·2	9th	297·1	*296·2*	+ 0·3	0	− 1
		31 36	2 4	769	927·9	1009·8	..	312·6	314·4	24th	297·9	294·2	14th	305·3	*305·3*	..	0	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1012·5	1015·2	− 2·8	303·0	309·4	4th	292·3	289·8	11th	297·6	..	− 0·6	1	− 10
538	Algiers (Bouzaréah)	36 47	3 2	344	975·9	1014·9	− 0·8	301·1	307·0	21st	293·5	291·2	11th	297·3	*297·1*	+ 1·1	0	− 5
538*a*	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1011·1	1013·5	..	305·7	315·5	29th	294·0	290·4	16th	299·9	*299·4*	+ 1·0	0	− 2
539*a*	Malta	35 54	14 31	56·4	..	1013·2	− 0·9	302·5	308·9	8th	295·7	293·0	29th	299·1	*298·3*	+ 0·4	1	− 1
540	Riposto	37 41	15 14	14·2	..	1015·5	− 0·8	302·3	306·0	8th	294·4	291·8	14th	298·3	*297·2*	− 0·7	2	− 1
541	Athens	37 58	23 43	107	998·1	1010·2	− 1·1	306·1	311·5	8th	296·1	291·9	18th	301·1	*300·7*	+ 0·8	0	− 2
542	Alexandria	31 12	29 53	32·0	1004·2	1007·8	− 1·8	304·1	308·7	12th	296·8	295·6	6th	300·5	*299·5*	+ 0·8	0	− 2
543	Nicosia (P.W.D.)	35 9	33 22	159	986·6	1004·2	− 1·7	309·2	311·9	20th, 21st	294·1	290·2	29th	301·7	..	+ 0·5	1	− 1
544	Beirut	33 54	35 28	33·7	..	1005·6	− 2·0	303·8	304·7	28th	296·4	295·1	2nd	300·1	*300·0*	+ 0·5	0	− 1
545	Hinaidi	33 17	44 29	32·3	..	997·1	− 2·0	317·5	322·4	13th	299·2	293·0	25th	308·3	*309·3*	..	0	..
546	Lenkoran	38 46	48 52	−20·0	1011·6	1009·3	0·0	..	305·7	12th	292·9	289·0	1st	..	*297·7*	− 0·4	18	− 1
547	Tehran	35 41	51 25	1220	..	..	..	307·1	310·5	11th, 12th	294·4	288·6	7th	300·8	*300·6*	− 1·6	0	− 1
548	Meshed	36 16	59 35	946	873·2	..	..	306·2	310·2	16th	287·3	284·1	3rd	296·7	..	− 1·0	0	− 1
549	Seistan	31 0	61 30	610	..	..	..	310·4	314·9	26th	299·1	295·7	1, 3, 4	304·8	..	..	0	..
550	Quetta	30 11	67 3	1677	825·2	..	− 0·8	307·9	310·4	26th	290·7	284·6	5th	299·3	*299·1*	+ 0·1	0	− 1
551	Peshawar	34 2	71 37	339	958·3	994·9	− 2·5	313·7	318·1	10th	300·1	295·3	3rd	306·9	*306·4*	+ 1·1	42	+ 15
551*a*	Lahore	31 34	74 20	214	971·7	995·1	− 2·3	311·9	318·6	10th	302·1	297·2	28th	307·0	*306·3*	+ 1·6	274	+ 55
552	Simla	31 7	77 8	2204	775·8	..	− 0·9	293·6	297·4	9th	289·0	286·4	6th	291·3	*291·1*	− 0·1	627	+ 89
552*a*	Leh	34 10	77 42	3503	664·0	..	− 0·2	298·7	302·1	26th	284·2	280·5	7th	291·4	*290·4*	+ 0·8	7	− 1
559	ϕHankow	30 35	114 17	37·0	1000·1	1004·3	+ 0·4	304·8	309·1	25th	298·0	293·0	3rd, 4th	301·4	*300·8*	− 0·6	359	+ 90
560	ϕTientsin	39 10	117 10	5·0	1004·1	1004·6	+ 0·5	303·1	307·5	27th	295·6	290·2	5th	299·3	*298·9*	− 0·5	287	+ 50
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1006·2	+ 1·5	306·1	309·5	25th	297·4	294·0	16th	301·8	301·0	+ 1·1	9	− 4
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1002·0	1009·9	+ 3·3	300·7	306·1	11th	294·5	291·7	9th	297·6	297·1	+ 0·9	307	+ 6
562*a*	Nagasaki	32 44	129 52	133	997·3	1012·4	+ 4·0	302·9	305·4	10th, 11th	296·1	293·5	1st	299·5	299·1	+ 0·6	216	− 15
563	Kyoto	35 1	135 44	42·9	1008·9	1013·8	+ 5·3	306·7	310·1	28th	295·6	290·2	1st	301·1	300·4	+ 2·2	33	− 15
564	Tokyo	35 41	139 46	5·8	1013·7	1014·3	+ 5·0	303·8	306·6	9th	295·3	289·6	4th	299·5	299·1	+ 1·9	13	− 15
565	Kanayama	37 53	140 46	24·6	1010·6	1013·4	+ 3·8	304·9	308·6	29th	292·8	286·0	1st	298·9	298·4	+ 3·5	23	− 15
566	Miyako	39 38	141 59	30·4	1008·5	1012·0	+ 2·6	303·8	309·5	21st	292·7	285·4	1st	298·3	297·5	+ 4·6	5	− 15

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1022·3	+ 3·4	303·2	304·7	23rd	294·6	292·4	30th	298·9	*298·3*	..	30	..
605	Honolulu	21 19	157 52	11·6	1016·6	1017·9	+ 1·4	300·3	301·3	..	295·7	294·7	..	298·0	*297·8*	− 0·4	42	+ 1
614	La Paz	24 10	110 20	12	1009·1	1010·4	..	306·2	309·0	26th	294·2	292·6	20th	300·2	*299·4*	..	3	..
615	Chihuahua	28 38	106 4	1423	864·4	1008·6	..	303·6	307·0	12th	290·7	286·0	6th	297·1	*299·2*	+ 0·9	62	+ 1
616	Leon	21 7	101 41	1809	824·8	1012·6	+ 2·2	300·9	303·0	12th	286·8	284·5	1st	293·8	*293·8*	+ 0·1	129	− 1
616*a*	Monterrey	25 40	100 18	528	953·9	1012·2	+ 0·9	305·9	309·8	25th	295·2	292·0	4th	300·5	*300·0*	− 0·3	6	− 1
617	Tulancingo	20 5	98 22	2181	791·9	1010·9	..	296·6	299·5	20th	284·3	281·4	1st	290·4	*288·8*	− 1·1	101	+ 1
618	Galveston	29 18	94 50	16·5	1014·8	1016·9	+ 0·8	303·7	308·0	25th	298·7	293·6	5th	301·2	*300·7*	− 0·1	0	− 2
618*a*	New Orleans	29 57	90 4	16·2	..	1016·2	+ 0·3	306·5	310·8	24th	297·2	293·0	2nd	301·9	*301·2*	+ 0·9	65	+ 2
619	Merida, Yuc	20 58	89 38	22	1012·4	1014·9	− 0·8	305·7	307·6	19th	296·8	295·4	19th	301·2	*300·3*	+ 0·5	98	+ 3
620	Havana	23 8	82 21	24·3	..	1016·7	0·0	305·3	306·7	1st	297·2	295·2	20th	301·3	*300·7*	+ 0·7	174	+ 5
620*a*	Key West	24 33	81 48	6·7	1015·7	1016·6	− 0·4	305·2	306·3	24th	299·3	296·9	26th	302·2	*301·8*	+ 0·6	51	+ 1
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	305·0	..	..	298·8	..	..	301·9	*302·0*	+ 0·7	169	+ 5
622	Watling Island	24 6	74 26	33·5	..	1017·1	0·0	..	305	17, 22, 30	..	298	11th	..	*301·6*	..	..	..
633	Port Etienne	20 56	17 3	4	..	..	..	299·7	305·0	4th	293·1	292·0	1, 8, 20	296·4	*295·3*	..	0	..
634*m*	Izaña	28 19	16 30	2367	774·0	..	..	296·0	301·7	28th	285·3	279·2	18th	290·6	*290·5*	+ 0·3	0	− 1
634	La Laguna	28 28	16 20	547	953·8	1015·8	− 0·9	299·7	307·0	16th	289·3	285·6	22nd	294·5	*293·8*	+ 1·1	4	− 1
636	Adrar	27 36	W 0 4	168	..	..	..	320·1	324·1	30th	297·9	294·0	14th	309·0	*312·4*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	0	..
641	Siwa	29 12	25 29	−23	1010·6	1007·9	..	311·8	317·0	13th	‡293·3	‡289·0	1st	‡302·6	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	993·6	1006·6	− 1·5	309·4	315·6	11th	294·7	292·9	4th	302·1	*301·8*	+ 0·9	0	− 1
643*a*	Aswan	24 2	32 53	99·6	993·9	1004·8	− 1·4	315·0	319·4	13th	298·1	295·7	18th	306·6	*306·6*	+ 0·8	..	..
644	Tor	28 14	33 37	1·9	1004·4	1004·7	− 0·2	308·5	315·6	14th	297·8	294·0	18th	303·2	*302·2*	+ 1·6	0	− 1
647	Bushire	28 59	50 53	4·3	995·6	996·1	− 1·3	308·8	312·7	15th	302·9	296·4	1st	305·9	*305·2*	+ 0·9	0	− 1
648	Jask	25 44	57 47	4·0	995·2	995·7	− 2·5	311·4	315·3	15th	302·5	300·8	3rd	306·9	*306·2*	+ 1·3	0	− 1
649	Karachi	24 53	66 57	4·0	996·5	996·9	− 2·3	304·6	306·4	5th	300·5	298·1	31st	302·6	*301·9*	+ 0·4	31	− 2
650	Jacobabad	28 17	68 29	56·7	988·2	994·4	− 1·8	316·0	320·1	4th	303·5	300·3	31st	309·7	*309·1*	+ 0·9	7	− 2
651	Jaipur	26 56	75 52	436	950·0	997·4	− 1·9	308·3	313·9	1st	299·6	296·9	13th	303·9	*302·8*	+ 0·6	267	+ 4
652	Nagpur	21 8	79 5	310	966·2	1000·6	− 1·0	304·1	307·6	5th	297·5	295·1	27th	300·8	*300·2*	+ 0·2	343	+ 5
653	Allahabad	25 25	81 51	94·2	987·0	997·0	− 1·5	305·2	311·9	8th	298·9	297·2	20th	302·1	*301·5*	− 1·1	378	+ 6
653*a*	Darjeeling	27 3	88 18	2265	771·3	..	− 1·1	291·8	294·3	28th	287·9	286·8	27th	289·8	*289·6*	+ 0·1	1105	+ 15
654	Calcutta	22 36	88 23	6·4	997·6	998·5	− 1·7	304·9	307·1	4th	299·8	298·3	29th	302·3	*302·1*	+ 0·8	264	− 1
655	Gauhati	26 8	91 41	59·7	993·3	1000·2	− 2·1	305·0	307·2	30th	298·8	297·8	3rd	301·9	*301·3*	0·0	340	+ 3
655*m*	Cherrapunji	25 15	91 42	1313	861·4	..	− 1·3	295·2	298·7	28th	291·9	290·9	30th	293·6	*293·2*	+ 0·3	3601	+ 35
655*a*	Akyab	20 11	92 56	6·1	1001·4	1002·1	− 1·6	301·8	303·8	6th, 22nd	297·7	296·5	30th	299·7	*299·8*	− 0·5	2100	+ 20
656	Mandalay	21 59	96 0	76·2	994·5	1003·0	− 1·2	309·0	312·0	18th	299·3	297·9	27th	304·1	*303·5*	+ 0·8	57	+ 1
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·3	300·8	26th, 27th	298·4	295·2	5th	304·1	*303·2*	+ 0·3	375	+ 3
657	Phu Lien	20 48	106 38	116	988·9	1002·0	− 0·6	304·2	307·2	13th	298·4	295·2	5th	301·3	*300·9*	− 0·2	151	− 1
658	Moncay	21 31	107 51	9·0	1001·2	1002·3	− 0·5	304·2	307·9	30th, 31st	298·2	296·0	6th	301·2	*300·4*	− 0·5	845	+ 7
659	Hongkong	22 18	114 10	33·2	..	1004·1	− 0·6	303·2	304·7	2nd, 9th	298·8	297·6	25th	301·0	*300·6*	− 0·2	499	+ 4
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1004·7	1005·7	+ 0·1	305·8	307·7	24th	297·2	294·9	17th	301·5	301·1	0·0	251	+ 2
661*a*	Basco	20 28	121 59	18·7	..	1004·3	− 0·9	..	..	..	298·4	295·0	12th	..	*300·3*	− 0·9	358	+ 3
662	Naha	26 13	127 41	8·2	1007·2	1008·4	+ 0·8	302·5	304·7	4th	297·6	295·9	13th	300·1	299·9	− 1·0	180	− 1
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1013·2	1013·6	+ 2·4	302·4	304·4	11th	297·4	294·9	2nd	299·9	299·6	− 0·5	292	+ 3
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	956·7	1012·1	..	304·2	307·5	24th	294·4	292·7	26th	299·3	*298·2*	+ 0·3	177	..
716	Morelia	19 42	101 7	1923	..	..	..	295·7	297·8	25th	287·3	285·4	23rd	291·5	*291·3*	+ 0·1	148	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	..	0·0	296·1	300·0	20th	283·4	281·0	25th	289·7	288·6	− 0·1	125	− 2
718	Salina Cruz	16 12	95 12	56	1005·2	1011·6	− 1·0	303·5	305·9	6th	296·9	295·3	17th	300·2	*300·7*	− 0·1	48	− 102
719	San Salvador	13 42	89 12	682	937·5	1013·2	+ 1·0	303·8	305·2	13th, 20th	291·2	289·6	15th	297·5	*295·7*	− 0·9	399	+ 101
720	Belize	17 29	88 12	5·2	1012·8	1013·5	− 0·2	303·5	304·7	27th, 28th	296·8	293·0	3rd	300·2	*299·7*	− 0·3	114	− 17
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1014·6	+ 0·3	304·3	305·7	3rd	295·7	294·4	19th	300·0	*299·8*	+ 0·2	191	+ 46
722	Port au Prince	18 33	72 20	37·4	1011·1	1015·4	0·0	307·6	309·6	3rd, 16th	296·2	293·8	21st	301·9	*301·0*	+ 0·2	129	+ 60
723	Caracas	10 30	66 56	1042	900·3	1014·4	+ 0·3	298·7	300·5	1st, 14th	289·1	287·4	2nd	293·9	*293·2*	+ 0·1	152	+ 43
723*a*	Montserrat	16 41	62 9	**	..	‡1015·8	0·0	302·2	303·0	4, 17, 24	297·3	295·8	7, 9, 19	299·8	*299·4*	− 0·7	274	+ 120
724	San Juan, Porto Rico	18 29	66 7	25·0	1014·1	1017·3	+ 0·2	301·7	302·4	29th	297·4	295·8	6th	299·6	*299·5*	0·0	157	− 6
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡ 995·4	‡1013·2	− 0·3	301·8	304·1	24th	296·4	294·1	10th	299·1	*298·4*	0·0	456	+ 208
725	ϕBarbados	13 8	59 36	55·2	1002·1	1014·1	− 0·6	302·1	303·4	14th, 15th	..	..	..	..	*298·8*	− 0·7	226	+ 96
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1010·1	1011·4	− 2·7	300·5	302·5	18, 19, 20	293·9	292·0	1st	297·2	*298·0*	+ 0·6	0	− 6
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	301·4	303·1	31st	297·3	296·2	15th	299·4	*299·4*	+ 0·7	1	− 8
733	Dakar	14 40	17 26	32	1009·2	1012·8	..	304·6	307·5	13th, 26th	296·8	293·5	16th	300·7	*300·6*	− 0·1	69	− 18
734	Bathurst	13 27	16 34	1·8	1013·5	1013·7	+ 0·4	303·1	305·2	7th	295·4	293·6	1st	299·3	*299·5*	− 0·3	352	+ 75
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	306·9	..	..	295·8	..	..	..	..	308	+ 100
735	Niénébalé	12 57	7 26	300	..	..	..	303·1	307·2	4th	..	..	..	..	*298·1*	..	349	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	310·2	315·5	9th	296·7	290·9	3rd	303·5	*302·6*	− 2·2	151	+ 64
737	Sokoto	13 2	E 5 14	353	..	..	..	305·9	309·7	7th	295·4	292·4	28th	300·7	*300·0*	+ 0·2	240	+ 80
738	ϕKaduna Capital	10 32	7 25	637	945·7	1017·4	+ 0·9	301·6	304·1	9th	292·2	288·6	1, 9, 11	296·9	*296·3*	+ 0·6	324	+ 61
739	Hadeija	12 40	10 5	?	..	..	..	305·9	309·7	17th	295·9	293·0	3, 22, 28	300·9	*300·2*	+ 0·2	149	+ 13
740	Maiduguri	11 47	13 11	361	..	..	..	305·4	310·2	8th	295·6	293·0	22nd	300·5	*299·9*	− 1·1	267	+ 100
741	El Fasher	13 32	25 18	730	..	..	..	309·3	312·3	8th	295·3	293·1	13th	302·3	*300·9*	..	40	..
743	El Obeid	13 11	30 14	569	946·0	1009·4	+ 0·2	..	..	..	295·6	290·0	14th	..	*300·3*	+ 0·2	86	− 6
743*a*	Khartoum	15 37	32 33	390	964·3	1007·2	− 0·6	311·4	314·7	3rd	298·0	292·4	14th	304·7	*304·2*	− 0·8	70	+ 23
744	Port Sudan	19 37	37 13	5·5	1003·2	1003·9	− 0·5	314·0	318·0	10th	302·8	298·2	16th	308·4	*307·4*	+ 1·0	9	− 1
745	Berbera, Somaliland	10 22	45 2	9·5	1002·7	1003·7	− 1·3	316·7	319·7	1st	304·3	303·0	22, 25, 26	310·5	*309·3*	+ 1·1	0	− 2
746	Aden	12 45	45 3	28·7	1000·7	1003·9	0·0	306·1	309·5	8th	300·2	296·9	20th	303·1	*303·0*	− 1·0	0	− 1
751	Bombay	18 54	72 49	11·3	995·1	1003·0	− 1·7	302·6	305·1	1st	299·1	297·1	10th	300·9	300·5	+ 0·5	425	− 191
752	Kodaikanal	10 14	77 28	2343	760·4	..	− 0·4	290·0	293·2	7th	284·6	283·4	18th	287·3	*286·6*	+ 0·1	319	+ 192
752*a*	Bangalore	12 59	77 38	921	906·6	1007·0	− 0·6	300·2	302·7	1st	292·1	290·7	16th, 17th	296·1	*295·1*	− 0·2	107	+ 1
753	Madras	13 4	80 14	6·7	1004·2	1005·1	− 0·9	308·4	310·6	7th	298·8	296·3	15th	303·6	*302·7*	− 0·2	143	+ 43
754	Vizagapatam	17 42	83 19	11·6	999·6	1001·0	− 1·1	305·5	311·5	21st	299·6	297·2	30th	302·6	*301·8*	+ 0·2	45	− 69
755	Port Blair	11 40	92 40	18·0	1004·9	1007·0	− 0·5	301·7	302·7	19th, 26th	297·8	296·1	11th	297·7	*298·9*	− 0·7	473	+ 86
756	Rangoon	16 46	95 48	5·5	1005·7	1006·4	− 0·3	302·1	304·2	5th	297·2	296·1	26th, 29th	299·7	*298·7*	− 0·2	661	+ 117
757	Saigon (Cap St. Jacques)	10 20	107 5	180	987·1	1007·6	+ 0·9	302·0	303·7	1st	295·2	292·9	18th	298·6	*298·1*	− 0·8	161	− 58
758	Nhatrang	12 15	109 12	3·6	1004·7	1005·1	0·0	304·9	310·7	16th	297·2	295·8	7th	301·0	*300·5*	− 0·5	36	− 12
759	Bolinao	16 23	119 53	7·1	..	1005·9	+ 0·9	303·1	307·0	2nd, 3rd	296·8	295·5	13th	299·9	*299·2*	− 0·7	681	+ 26
761	Vigan	17 34	120 23	12·2	..	1005·7	− 0·4	302·8	306·3	2nd	296·9	295·3	16th	299·9	299·4	− 0·7	696	+ 12
761*a*	Manila	14 35	120 59	14·2	..	1007·1	+ 0·3	303·5	305·5	19th	296·9	296·0	1st	300·2	299·4	− 0·6	511	+ 72
762	Ormoe	11 0	124 36	5·6	..	1007·5	+ 0·3	304·8	306·1	3rd	296·5	295·0	1st	300·7	*300·6*	+ 1·1	181	− 107
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1008·1	+ 0·5	303·3	306·2	2nd	297·1	295·6	22nd	300·2	*300·2*	− 0·3	308	− 70

Between Latitude 10° N. and 0°.

JULY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1011·4	1012·0	..	304·6	306·1	27th	298·4	296·9	16th, 29th	301·5	*301·1*	+ 0·6	58	− 169
821	Colon	9 23	79 23	11·0	..	1011·3	+ 0·4	302·8	305·2	1st	296·7	295·8	27th	299·8	*299·4*	0·0	524	+ 118
822	Bogota	4 36	74 5	2645	745·6	..	..	291·0	293·0	20th	283·1	280·6	24th	287·1	*286·6*	..	48	− 4
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·7	..	− 0·5	296·6	298·5	14th, 31st	288·1	286·5	6, 26, 28	292·4	*291·3*	− 0·5	168	+ 55
823	Ciudad Bolivar	8 9	63 33	38	1007·9	1012·2	..	303·5	306·1	2nd	296·6	294·8	6th	300·0	*299·5*	..	244	+ 79
824	El Peru, Guayanavieja	7 19	61 49	220	986·4	1011·4	− 0·3	303·4	305·2	16th	293·5	291·8	14th	298·4	*297·8*	+ 0·1	430	+ 241
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·7	− 0·8	302·9	304·1	5th	296·5	295·2	12th	299·7	*299·3*	− 0·3	212	− 41
826	Paramaribo	5 49	55 9	3·7	‡1012·7	‡1013·1	− 0·8	304·1	305·7	12th	294·9	293·1	19th	299·5	*299·1*	+ 0·1	331	+ 106
826*a*	Cayenne	4 56	52 21	6	..	..	..	303·4	308·0	31st	294·6	290·0	5th	299·0	*298·4*	− 0·9	107	− 69
831	10°—5° N. 30°—25° W.	††7 5	††27 5	§(110-115)	..	1014·0	+ 0·2	..	..	Sea Temp. 299·7	+0·3	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1011·4	1013·3	+ 0·5	299·7	302·0	12th	294·8	292·5	1st	297·3	*296·9*	− 1·3	1359	+ 54
834	Freetown, Sierra Leone	8 29	13 14	68·3	1005·8	1013·7	+ 1·0	301·3	303·6	17th	294·9	293·6	2nd	298·1	*297·4*	− 0·8	745	− 159
836	Assuantsi	5 18	1 15	101	..	..	..	300·8	302·4	1, 3, 17	293·3	289·7	7th, 21st	297·1	*296·6*	..	63	− 40
837	Accra	5 33	W 0 12	27·0	1009·9	1013·0	..	301·2	302·4	sev. dates	295·5	293·0	14th	298·3	*297·9*	+ 1·0	6	− 36
838	Lagos	6 27	E 3 24	4·6	1011·4	1011·7	− 1·5	302·0	303·6	1, 2, 3	297·1	295·5	24th	299·6	*298·

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	41	— 21
924	ϕManaos	3 8	60 1	43·8	1006·0	1011·0	..	303·9	306·0	26th	296·3	294·8	22nd	300·1	*299·4*	+ 0·2	40	— 19
926	Taperinha	2 30	54 20	20·0	1010·5	1012·8	— 0·3	305·0	306·9	20th	294·7	293·4	6th, 21st	299·8	*298·3*	+ 0·7	113	+ 67
927	Turyassu	1 43	45 26	9·1	1011·7	1012·8	— 0·4	305·6	308·0	20th	294·1	292·4	19th	299·8	*298·6*	+ 0·3	224	+ 167
928	Barra do Corda	5 30	45 16	81·0	1002·7	1012·2	— 0·4	304·7	305·2	29th, 31st	290·3	288·0	27th	297·5	*296·4*	— 0·7	0	— 17
929	Quixeramobim	5 16	39 15	207	991·4	1015·0	+ 0·4	300·4	302·4	30th	294·9	292·1	5th	297·6	*297·9*	— 1·5	4	+ 5
930	Fernando Noronha	3 50	32 25	106	1002·1	1014·1	— 0·6	299·4	300·4	1st	296·6	294·1	12th	298·0	*298·0*	+ 0·1	199	+ 158
										Sea Temp.								
930*a*	5°—10° S. 35°—30° W.	††7 20	††33 5	§(57–63)	..	1010·9	..	..	..	299·3 | +0·3	..	..	..	..	298·8	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 34	††31 24	§(33–39)	..	1009·7	..	..	..	299·5 | +0·6	..	..	..	..	299·2	..	..	— 12
934	Ascension Island	7 56	W14 25	16·8	1014·2	1016·1	— 0·6	301·2	302·4	6th. 13th	295·7	292·4	27th	298·4	*297·8*	+ 0·2	1	— 1
939	ϕLoanda	8 49	E 13 13	51	..	1014·6	— 1·1	297·9	299·9	2nd	291·9	289·8	29th	294·9	294·2	+ 1·4	0	— 1
940	Brazzaville	4 17	15 16	321	981·0	1017·7	+ 2·4	300·7	306·0	5th	291·0	288·0	10th	295·9	*295·3*	+ 0·5	0	— 1
943	ϕMasaka	0 21	31 47	?1280	..	..	..	300·4	301·9	4th, 7th	..	..	..	..	*292·9*	+ 0·8	36	— 18
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	3	— 25
944*a*	Zanzibar	6 10	39 11	21·9	1016·5	1019·0	0·0	299·8	301·3	30th	295·6	294·5	18th, 25th	297·7	*297·0*	— 0·1	34	— 6
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	295·8	294·1	1st	..	..	..	29	+ 16
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1012·5	— 1·1	299·8	300·7	1st	297·8	295·4	19th	298·8	*298·1*	+ 0·2	180	+ 140
957	Padang	0 56	100 22	6·7	..	1010·0	— 0·4	..	..	..	..	..	..	..	..	..	220	— 63
958	Batavia	6 11	106 50	8·0	1009·6	1010·5	+ 0·4	304·7	305·9	13th	296·1	294·6	28th	300·4	299·9	+ 1·0	11	— 57
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 1·0	..	..	..	..	..	..	..	..	..	240	+ 172
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	— 68
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	5	— 58
962	Amboina	3 42	128 10	4·2	..	1009·4	— 1·2	..	..	..	..	..	..	..	..	..	907	+836
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	168	+ 97
965	ϕDaru	9 4	143 13	7·6	..	1013·2	+ 1·8	300·4	..	..	296·1	..	..	298·2	*297·8*	0·0	60	— 5
966	Port Moresby	9 29	147 9	39·0	..	1012·6	+ 1·2	300·1	..	..	296·1	..	..	298·1	*297·7*	— 0·5	13	— 52
967	Rabaul	4 9	152 12	20·7	..	1009·5	..	305·8	307·4	23rd	295·4	293·6	23rd	300·6	*299·9*	+ 0·7	9	— 56
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	?303·8	?305·6	11th	?297·2	?296·3	21, 23, 24	?300·5	*?300·3*	+ 0·4	239	+ 178
970	Ocean Island	0 52	169 35	54·0	1004·3	1010·5	+ 0·6	303·7	304·7	18th	296·6	294·7	24th	300·1	*299·5*	— 0·6	62	— 10
		S.	E.															

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·8	+ 0·9	301·9	303·2	7, 21, 24	296·4	294·4	20th	299·1	298·9	+ 0·8	244	+ 97
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	300·5	304·1	4th	293·2	289·7	12th	296·8	*296·6*	+ 0·7	168	+ 21
1021	Arequipa	16 22	71 33	2452	762·5	..	+ 1·3	292·6	294·7	4th	281·9	278·4	3rd	287·2	*286·9*	+ 0·1	0	— 71
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·1	280·0	16th, 17th	..	*286·1*	..	0	— 71
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	1002·3	1015·8	+ 0·8	300·8	306·6	27th	288·5	282·0	29th	294·6	*294·3*	+ 0·1	0	— 2
1026	Cuyaba	15 36	56 6	165	995·8	1014·8	+ 0·8	305·3	308·9	28th	287·9	282·0	30th	296·6	*295·0*	— 0·8	0	— 2
1027	Bello Horizonte	19 55	43 57	895	919·4	1019·6	+ 0·4	297·8	301·4	29th	283·3	279·6	3rd	290·6	*289·7*	0·0	0	— 2
1028	Caetite	14 3	42 37	897	919·3	1019·9	+ 0·6	296·5	299·5	29th	286·7	283·4	23rd, 24th	291·6	*291·3*	— 1·4	20	+ 18
1029	Ondina (Bahia)	13 0	38 31	46·6	1012·3	1017·7	— 0·1	298·6	299·7	7th	294·0	293·0	21st	296·3	*296·2*	— 0·3	169	+ 137
1030	Aracaju	10 55	37 3	6·1	1017·2	1018·0	+ 0·1	299·4	300·0	sev. dates	293·7	291·9	23rd	296·6	*296·7*	— 0·9	99	+ 67
										Sea Temp.								
1030*a*	15°—20° S. 40°—35° W..	††18 9	††38 27	§(61–68)	..	1016·1	..	..	..	296·4 | —0·7	..	..	..	..	296·3	..	..	..
1030*b*	10°—15° S. 40°—35° W..	††12 25	††36 22	§(47–53)	..	1014·7	..	..	..	298·0 | +0·2	..	..	..	..	297·6	..	..	..
1035	St. Helena	15 57	W 5 40	604	947·7	1017·2	+ 0·4	291·7	294·7	29th	285·0	283·8	10th	288·3	*288·0*	+ 0·3	77	— 19
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	300·5	1st	..	281·5	10th	..	*290·4*	..	0	— 19
1041	Livingstone	17 51	25 51	972	911·5	1020·6	..	298·2	301·3	22nd	280·6	276·3	11th	289·4	..	..	0	— 1
1041*a*	Elisabethville	11 39	27 28	1236	881·1	1017·3	+ 1·2	298·4	..	..	279·1	..	..	288·8	..	— 0·2	0	— 1
1042	Gwelo	19 28	29 48	1417	..	..	..	293·9	298·0	22nd	278·2	274·7	2nd, 13th	286·1	..	0·0	0	— 1
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	857·8	1019·0	— 0·5	294·4	297·4	22nd	278·4	273·6	1st	286·4	285·7	0·0	0	— 1
1044	Zomba	15 23	35 18	955	912·5	1019·7	+ 0·3	295·2	297·4	31st	283·9	280·8	9th	289·6	*288·3*	— 0·1	13	+ 12
1044*a*	Mossuril	14 57	40 40	15	..	1019·4	..	299·6	301·5	22nd	290·7	287·8	6th	295·1	295·0	..	9	+ 8
1045	Antananarivo	18 55	47 33	1375	868·3	1019·5	— 0·4	293·6	296·2	26th	281·9	279·7	18th, 19th	287·8	287·3	+ 1·0	1	— 1
1046	Tamatave	18 10	49 24	5	..	..	..	297·7	..	..	..	..	..	..	..	..	183	+ 183
1047	Vohémar	13 21	50 1	3	..	1009·2	..	302·8	305·0	..	292·2	290·0	..	297·5	*296·8*	..	42	— 42
1048	Antalaha	14 58	50 19	3	..	1016·0	..	..	..	..	..	..	..	..	..	..	82	— 82
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1014·3	1014·9	+ 1·4	301·3	302·7	9th	297·7	294·1	22nd	299·5	*299·2*	+ 0·6	246	+ 246
1057	Christmas Island	10 25	105 43	5·5	1009·4	1010·0	+ 0·4	303·0	304·1	1, 2, 22	296·0	294·7	29th	299·5	*298·7*	0·0	63	+ 63
1061	Kupang	10 10	123 34	45·1	..	1012·4	+ 0·6	304·6	306·2	21st	294·6	291·8	28th	299·6	299·0	+ 0·9	0	— 1
1061*a*	Derby	17 18	123 40	16·2	1014·0	1016·1	+ 0·9	304·2	308·0	24th	289·7	285·8	2nd	296·9	..	+ 1·8	0	— 1
1062	Hall's Creek	18 13	127 46	373	974·9	1018·7	+ 2·1	301·3	304·6	23rd	282·6	276·7	2nd	291·9	*291·2*	+ 1·0	0	— 1
1063	Darwin	12 28	130 51	29·6	1010·1	1013·5	+ 1·0	304·6	306·1	30th	293·2	290·8	28th	298·9	*297·7*	+ 0·7	0	— 1
1064	Daly Waters	16 16	133 23	211	990·2	1014·2	— 0·6	302·8	305·2	18th, 20th	286·8	279·7	24th, 27th	294·8	*294·1*	+ 1·2	0	— 1
1065	Mein	13 13	142 47	122	998·5	1012·5	+ 0·4	301·8	303·6	22nd	288·7	282·3	26th	295·2	*294·3*	— 1·1	8	+ 8
1066	ϕGeorgetown, Queensland	18 22	143 32	302	982·6	1017·1	+ 1·3	300·9	303·6	12th	285·5	276·9	23rd	293·2	..	+ 0·1	0	— 1
1066*a*	Willis Island	16 18	149 59	8·5	1014·3	1015·3	..	298·3	300·0	12th	294·6	292·7	21st, 24th	296·4	*296·1*	..	41	+ 41
1067	Samarai	10 37	150 40	15·2	..	1013·2	+ 1·4	299·9	..	..	296·7	..	..	298·3	*298·1*	+ 0·1	222	+ 222
1072	ϕSuva, Fiji	18 8	178 26	6·1	1015·2	1015·9	+ 0·5	298·6	301·9	2nd	293·2	289·7	17th	295·9	*295·7*	— 0·1	130	+ 130
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	297·8	300·5	8th	292·9	290·2	14th	295·3	*295·1*	+ 1·0	194	+ 82
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·4	1018·7	+ 1·0	287·1	289·2	14th, 15th	282·2	280·0	28th, 29th	284·7	*284·6*	— 0·2	0	— 28
1123	Catamarca	20 12	70 11	9	1016·7	1017·8	+ 1·6	288·9	290·6	16th	283·7	281·7	9th	286·3	*287·4*	— 1·5	0	— 1
1124	Salta	24 46	65 24	1178	885·7	1017·8	+ 2·3	292·2	300·0	23rd	277·0	268·8	30th	284·6	*284·1*	— 0·6	2	+ 1
1125	Goya	29 9	59 15	26	1016·1	1019·2	+ 3·5	292·8	301·8	1st	283·0	273·5	29th	287·9	*286·8*	— 0·3	4	— 40
1126	ϕAsuncion	25 17	57 41	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 17	908	918·2	1021·9	+ 0·7	292·4	296·3	27th	278·9	273·1	3rd	285·6	*285·1*	— 0·1	17	— 48
1128	Rio de Janeiro	22 54	43 10	18·3	1019·4	1021·6	+ 1·6	297·8	301·8	7th	289·7	287·6	23rd	293·8	293·0	0·0	31	— 12
										Sea Temp.							
1128*a*	25°—30° S. 50°—45° W..	††27 27	††47 31	§(51–55)	..	1019·3	..	..	..	290·7 | —1·2	..	..	..	..	..	..	..	..
1128*b*	20°—25° S. 45°—40° W..	††22 23	††41 35	§(32–37)	..	1016·5	..	..	..	294·1 | —0·4	..	..	..	..	294·1	..	..	..
1139	Windhoek	22 34	W. E 17 5	1669	..	..	..	292·8	297·0	29th	278·6	274·7	12th	285·7	*285·5*	— 0·5	0	— 1
1141	Kimberley	28 42	24 47	1202	889·1	1026·5	+ 1·1	291·2	299·4	31st	273·2	269·1	6th	282·2	281·6	— 1·0	0	— 8
1141*a*	ϕJohannesburg	26 11	28 4	1806	827·1	1025·5	+ 0·1	288·8	294·7	17th	277·3	271·7	23rd	283·1	*282·6*	— 0·1	0	— 8
1142	Bulawayo	20 9	28 35	1340	873·2	1021·8	+ 0·2	293·5	298·3	22nd	279·7	276·3	3rd	286·6	*286·2*	— 0·4	0	— 1
1143	Durban	29 52	31 3	15·2	1023·3	1025·1	+ 1·2	294·8	300·8	21st	284·4	281·1	1st	289·6	*289·1*	— 0·7	14	— 17
1144	Lourenço Marques	25 58	32 36	59	..	1023·9	+ 1·1	297·0	303·6	22nd	284·1	281·2	1st, 3rd	290·5	290·0	— 1·1	3	— 11
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	281·8	279·8	..	..	..	..	..	..
1146	Fort Dauphin	25 2	46 58	25	..	1018·3	..	..	..	..	282·6	280·0	..	..	..	..	3	..
1147	Mauritius	20 6	57 33	55·2	1013·2	1019·7	— 0·7	296·8	298·4	1st	290·4	287·6	31st	293·6	293·3	+ 0·4	65	+ 2
1159	Onslow	21 43	114 57	4·3	1015·7	1016·7	+ 0·3	301·6	305·2	14th	285·1	280·2	5, 6, 7	293·3	..	+ 2·4	14	— 10
1160	Cue	27 27	117 52	454	967·7	1020·3	+ 1·2	294·1	299·3	12th	280·9	275·8	7th	287·5	..	+ 1·9	16	— 9
1161	ϕNullagine	21 53	120 5	386	973·9	1017·9	+ 0·2	299·7	302·7	8th	282·1	274·8	2nd	290·9	..	+ 2·5	0	— 13
1162	ϕLaverton	28 40	122 23	466	967·9	1022·0	+ 1·7	293·3	300·7	12th	279·0	271·4	19th	286·1	*286·0*	+ 1·7	15	— 1
1163	Alice Springs	23 38	133 37	587	953·3	1020·9	+ 1·7	293·9	301·3	27th	274·8	269·1	3rd	284·3	*284·0*	— 0·1	0	— 10
1164	William Creek	28 55	136 21	76·2	1014·7	1024·0	+ 3·4	292·7	297·4	27th	275·6	271·9	9th	284·1	*283·8*	— 0·2	0	— 7
1164*a*	ϕBoulia	22 55	139 38	146	1001·8	1018·9	+ 1·4	297·5	301·9	19th	281·9	275·9	23rd	289·7	*289·4*	+ 2·3	4	— 5
1165	Thargomindah	27 58	143 43	123	1007·5	1022·1	+ 2·7	293·2	297·7	5th	279·8	275·8	1st	286·5	*286·2*	+ 1·2	3	— 10
1166	Mitchell	26 32	147 52	336	983·1	1022·3	+ 3·2	292·6	295·2	6th	278·1	270·2	3rd	285·3	..	+ 1·2	36	+ 1
1167	Rockhampton	23 24	150 30	11·3	1018·4	1019·8	+ 1·7	296·4	299·1	11th	286·3	281·1	23rd	291·3	*290·7*	+ 1·7	51	+ 13
1168	Brisbane	27 28	153 2	41·8	1017·9	1022·4	+ 4·1	293·7	297·8	11th	284·8	280·8	2nd	289·2	*288·6*	+ 1·5	135	+ 77
1170	Norfolk Island	29 4	167 59	15·2	1020·7	1022·5	+ 5·5	292·0	295·8	13th, 23rd	287·4	284·1	4, 5, 21	289·7	*289·3*	+ 0·5	176	+ 14
		S.	E.															

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	977·2	1018·3	..	287·2	292·5	6th	281·5	278·5	27th	284·3	*284·4*	..	103	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1004·4	1019·0	+ 1·8	285·8	288·0	10th, 15th	280·2	275·0	27th	283·0	*283·2*	— 0·2	112	+ 28
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1013·9	1018·9	+ 0·9	288·8	299·5	21st	281·0	275·0	30th	284·9	*284·6*	— 0·2	10	— 71
1222*a*	Santiago	33 27	70 42	520	957·4	1019·1	+ 0·6	291·9	299·8	16th	274·9	268·4	28th	283·4	*281·7*	+ 0·9	10	— 71
1223	Cordoba	31 25	64 12	423	969·4	1019·8	+ 2·8	291·1	305·3	22nd	276·2	267·2	29th	283·7	282·6	— 0·6	6	— 2
1224	Bahia Blanca	38 45	62 15	25	1017·0	1020·2	+ 3·7	284·2	291·2	7th	275·8	270·0	13, 27, 30	280·0	*279·9*	— 1·2	27	+ 2
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1018·6	1021·6	+ 2·9	286·9	298·7	1st	277·1	270·4	20th, 28th	282·0	281·9	— 0·5	3	— 53
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1019·4	+ 1·3	..	296·0	1st	..	275·5	31st	..	*282·7*	— 1·2	18	— 51
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1018·4	1021·2	+ 1·4	291·3	300·5	26th	281·4	273·4	31st	286·3	286·1	— 0·4	86	— 23
										Sea Temp.							
1226*b*	30°—35° S. 55°—50° W..	††33 2	††52 4	§(50–51)	..	1019·6	..	..	..	285·7 | —1·2	..	..	..	..	..	..	..	..
1239	ϕCape Town	33 56	W. E 18 29	12·2	..	1021·8	+ 0·5	290·7	299·2	27th	281·5	275·8	22nd	286·1	*284·8*	+ 0·5	40	— 52
1240	Danger Point	34 37	19 18	27·7	1016·8	1020·2	..	290·1	298·8	20th	282·7	278·0	23rd	286·4	..	+ 0·5	19	— 64
1241	Riversdale	34 6	21 16	?100	..	..	..	294·7	301·6	20th	276·6	272·9	10th	285·6	..	..	12	— 18
1242	East London	33 2	27 55	44·8	..	1022·2	+ 1·2	295·1	303·8	9th	282·3	278·6	13th	288·7	..	+ 0·6	9	— 16
1259	Perth (Observatory)	31 57	115 51	60·0	1012·5	1019·7	+ 0·8	291·6	296·5	30th	282·7	277·4	21st	287·1	*287·2*	+ 1·2	96	— 71
1260	Katanning	33 42	117 35	310	981·9	1019·0	+ 1·1	288·0	291·6	30th	278·6	273·3	20th	283·3	..	+ 0·5	39	— 39
1261	ϕCoolgardie	30 57	121 10	423	971·9	1021·4	+ 1·9	291·9	296·2	4th	278·1	274·1	20th	285·0	*284·9*	+ 1·3	8	— 14
1262	Eucla	31 45	128 58	4·6	1021·3	1022·0	+ 2·5	292·2	299·7	12th	279·8	274·6	3rd	286·0	*285·8*	+ 0·6	11	— 12
1263	ϕStreaky Bay	32 48	134 13	13·1	1022·8	1024·2	+ 4·3	290·1	291·9	23rd, 27th	280·3	274·4	17th	285·2	*285·0*	+ 0·6	4	— 56
1264	Adelaide	34 56	138 35	42·7	1019·5	1024·7	+ 4·5	289·6	293·4	19th	280·4	275·8	8th	285·0	*284·9*	+ 1·0	16	— 51
1265	Melbourne	37 49	144 58	35·1	1020·0	1024·2	+ 5·3	286·2	289·1	2nd	278·5	273·5	16th	282·4	*282·2*	+ 0·1	22	— 25
1266	Bourke	30 13	145 58	110	1013·0	1026·5	+ 4·2	292·7	296·9	19th	277·6	273·0	18th	285·1	..	+ 1·0	18	— 5
1267	Sydney	33 51	151 13	42·1	1018·6	1023·6	+ 5·4	290·6	294·9	10th	281·2	277·8	20th	285·9	*284·9*	+ 1·4	40	— 82
1268	Lord Howe Island	31 20	159 0	4·6	1023·3	1023·8	+ 7·0	291·6	293·6	10th	286·5	283·6	3rd	289·0	..	+ 0·1	275	+ 70
1271	Auckland	36 50	174 50	38·1	..	1021·2	+ 6·4	286·7	289·1	13, 14, 15	280·6	275·4	26th	283·7	..	— 0·2	75	— 53
1272	ϕNapier	39 29	176 55	1·5	..	..	..	286·3	290·9	12th	277·4	272·2	10, 25, 26	281·8	..	— 0·6	32	— 66
		S.	E.															

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1010·7	..	..	..	..	..	..	..	..	..	..	78	— 34
1321	ϕIsla Guafo	43 34	74 45	140	999·6	1016·7	+ 2·4	281·7	283·7	1st	277·7	274·2	26th	279·7	*279·8*	— 0·9	84	— 24
1322	Punta Galera	40 1	73 44	40	1013·8	1018·7	+ 3·2	283·5	285·6	16th	279·1	274·4	28th	281·3	*282·0*	— 0·5	227	— 97
1323	Sarmiento	45 30	69 0	274	982·8	1015·1	+ 2·0	278·1	284·4	31st	270·5	260·4	2nd	274·3	*274·3*	— 1·9	19	— 2
1324	Puerto Madryn	42 49	W64 58	14	1015·3	1016·7	+ 3·0	284·4	294·0	21st	273·7	265·8	13th	279·0	*279·2*	— 1·0	21	+ 9
1365	Launceston

JULY—ZONE 14

RÉSEAU MONDIAL
Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure* Mean at Level of Station.	Pressure* Mean at M.S.L.	Pressure* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1001·0	1007·8	+ 5·9	278·0	280·9	19th	274·7	269·5	8th	276·3	*276·4*	− 0·5	191	− 5
1422	Puerto de Punta Arenas	53 10	70 54	28	1003·2	1006·7	+ 3·5	277·0	279·7	18th	272·7	267·9	1st	274·9	*275·1*	+ 0·6	25	−
1423	ϕPunta Dungeness	52 24	68 26	5	1005·1	1005·7	+ 3·5	..	..	..	272·8	269·0	1st, 13th	..	*275·3*	− 0·2	23	+
1424	Santa Cruz	50 11	68 21	12	1008·1	1009·2	+ 2·6	277·5	284·2	20th	269·4	263·4	13th, 14th	273·4	*273·9*	− 0·8	4	−
1424*a*	Año Nuevo	54 39	64 8	50	996·0	1002·2	+ 2·3	276·6	279·0	20th	272·7	267·5	27th	274·7	*274·9*	− 0·3	97	
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1002·1	..	276·6	280·2	19th	271·9	267·4	14th	274·3	..	..	53	−
1426	Cape Pembroke	51 41	57 42	21·3	1000·3	1002·8	+ 0·2	276·8	279·7	18, 19, 21	272·5	268·0	28th	274·7	275·2	− 0·4	..	..
1429	S.Georgia (Cumberland Bay)	54 14	36 33	4	993·4	993·9	− 4·1	273·1	279·3	19th	..	..	..	..	*270·2*	− 1·0	203	+
		S.	W.															

JULY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	995·7	996·6	+ 2·0	263·6	273·5	21st	252·5	236·1	9th	258·1	258·5	− 3·9	112	+
		S.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 11

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Seirra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8½h.
1	Calm	2·6	ESE 1	Calm 0	WSW 1	NE 1	SW 1	E 1	Calm 0	Calm 0	E 3	E 4	NNE
2	SE	5·5	SE 3	N 1	Calm 0	SW 2	Calm 0	..	E 1	SE 4	E 4	E 3	N
3	SE	4·7	SE 3	Calm 0	Calm 0	S 1	Calm 0	..	E 1	SE 3	E 4	E 4	Calm
4	SE	1·8	SE 3	Calm 0	SW 1	NW 2	Calm 0	E 2	E 1	SE 1	NE 4	NE 3	SE
5	Calm	3·8	SE 4	Calm 0	Calm 0	N 1	N 1	EbyN 2	EbyN 2	SE 2	NE 3	NE 3	SE
6	ESE	4·4	ESE 3	Calm 0	WSW 2	N 1	Calm 0	EbyN 2	EbyN 2	SE 2	NE 3	NE 3	S
7	ESE	1·4	ESE 3	NE 1	WSW 2	NE 1	Calm 0	E 2	E 2	SE 2	NE 4	NE 5	S
8	Calm	3·9	ESE 4	Calm 0	Calm 0	N 1	Calm 0	EbyS 2	E 2	Calm 0	NE 3	NE 6	SEbyE
9	SE	8·5	ESE 5	Calm 0	SW 2	N 1	Calm 0	E 2	E 2	..	NE 3	E 3	ESE
10	ESE	8·9	ESE 4	WSW 2	WSW 1	NW 1	Calm 0	E 2	E 2	..	NE 1	E 1	E
11	SE	8·4	ESE 3	Calm 0	SW 2	NE 1	SE 1	EbyN 2	EbyN 2	Calm 0	NE 2	NE 2	ESE
12	SE	5·2	ESE 4	Calm 0	WSW 1	NE 1	NW 1	E 2	E 2	Calm 0	NE 2	NE 2	SE
13	SE	5·3	SE 5	Calm 0	WSW 1	NE 1	S 1	E 2	E 2	SE 1	E 3	NE 1	ESE
14	SE	6·2	SE 4	Calm 0	SW 1	N 1	S 1	E 2	E 2	Calm 0	NE 2	NE 1	ENE
15	SE	7·5	E 5	SW 1	SSW 3	SE 1	Calm 0	E 2	E 2	..	NE 2	ENE 1	NNE
16	SE	6·1	ESE 4	Calm 0	S 1	W 2	W 1	E 2	E 2	..	E 1	E 1	NNE
17	SE	6·0	SE 4	Calm 0	SSW 2	S 1	W 1	E 2	E 2	SE 4	E 2	E 3	Calm
18	SE	5·3	E 2	Calm 0	Calm 0	W 1	Calm 0	E 2	E 2	..	E 4	E 2	Calm
19	Calm	1·6	SE 3	Calm 0	WSW 1	Calm 0	Calm 0	E 2	E 2	..	E 2	ENE 4	N
20	SE	5·9	ESE 3	W 1	WSW 3	Calm 0	Calm 0	E 2	E 2	..	E 3	E 1	S
21	SE	8·6	ESE 3	E 1	WSW 3	NW 1	Calm 0	EbyS 2	EbyS 2	NW 4	E 4	E 3	SEbyE
22	SE	5·0	ESE 2	Calm 0	WSW 1	NE 2	N 2	E 2	E 2	Calm 0	E 3	E 2	NE
23	SE	4·4	ESE 3	SSW 1	Calm 0	N 1	S 1	EbyN 1	EbyN 1	Calm 0	ESE 3	S 4	E
24	SE	3·1	ESE 2	SSE 1	SW 1	NE 1	Calm 0	E 2	E 2	Calm 0	SE 3	SE 2	NE
25	ESE	4·0	ESE 2	WSW 1	SW 3	Calm 0	SW 2	EbyS 2	EbyS 2	SE 2	NE 2	NE 2	NE
26	Calm	..	ESE 3	SW 2	SW 3	N 1	Calm 0	E 2	E 2	SE 2	E 2	E 3	WSW
27	SE	..	ESE 3	Calm 0	SW 2	Calm 0	Calm 0	E 2	E 2	SE 2	E 4	E 3	ENE
28	Calm	1·1	ESE 2	SW 1	SW 3	NW 1	Calm 0	E 2	E 2	SE 3	E 4	E 3	ESE
29	Calm	0·9	SE 3	WSW 1	SW 1	NW 1	Calm 0	E 2	E 2	SE 2	E 3	E 3	NE
30	Calm	0·3	SE 4	S 1	WSW 3	S 2	Calm 0	E 2	E 2	SE 3	NE 3	NE 4	NE
31	Calm	0·1	SE 3	SW 1	SW 4	N 1	S 1	EbyS 2	EbyS 2	SE 2	E 5	E 4	E
								E 2	E 2	SE 2	E 5	E 3	E
Mean	..	4·5	3·2	0·5	1·5	1·0	0·5	1·9	1·8	1·6	3·0	2·8	
§Resultant	130°(69)	..	120°(92)	230°(48)		330°(13)		90°(97)		135°(56)	75°(88)		85°(5
§Normal	139°(86)	6·9	‖118°(75)	261°(37)		240°(26)		‖92°(88)		132°(88)	‖100°(58)		98°(5

‖ Normal refers to ½ (9+21). ||| Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introdu

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1924.

‡‡*Arctic Sea.*—At Dickson Island the sea was open all through the month and about the middle of the month the ice left the bights.

‡‡*Kara Sea.*—Early on, the ice broke up in Kara and Yugor Straits, but later the ice drifted from Mara Sale into these two straits. On the 28th the was driven from Matotschkin Strait, and east coast of Novaya Zemlya. The area covered was 227×10^3 sq. km. as compared with a normal 240×10^3 sq. km.

‡‡*Barents Sea.*—A little ice was lying west of Waigatsch Island. Round Bear Island and along the west coast of Novaya Zemlya the sea was free of ice Cape Mauritius; from here a close ice edge extended along 77° N. (which is more northerly than usual) to 55° E. where a large bight occurred. Farth west the ice edge passed south of Hope Island. The area covered was 370×10^3 sq. km. as compared with a normal of 519×10^3 sq. km.

‡‡*Spitsbergen.*—Except for a small belt of ice from South Cape to Horne Sound the west and north coasts were free of ice to Seven Islands. From here Cape Leigh Smith the ice was close. On the east and south of Northeastland, in the northern part of Hinloper Strait and in the eastern part Storfjord the sea was free of ice. The northern part of Storfjord was filled with close ice.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 4 days heavy.

‡‡*Greenland Sea and Denmark Strait.*—From Shannon Island to 67° N. the ice belt was much narrower than normal, the outer part consisting mainly scattered ice while under the land there was much old winter ice. The mouth of Scoresby Sound was open. At Angmagsalik masses of "Storf lay close inshore at first, but later the ice scattered near the coast though remaining close farther out. The area covered was 514×10^3 sq. as compared with a normal of 718×10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 26. Many icebe occurred in Belle Isle Strait early in the month. There was no flat ice along the coasts of Labrador from Belle Isle to Hudson Strait, but seve icebergs.

‡‡*Davis Strait and Baffin Bay.*—An ice belt extending 20 miles offshore, lay from Cape Farewell to Nunarsuit although Julianehaab Fjord was almost fr of ice. From Nunarsuit to Upernivik the coast was free of ice. Icebergs occurred in Disko Bay and between Upernivik and Cape York but the was ice free on the routes from Cape York to North Star Bay and from there to Ponds Inlet. No ice was observed in Hudson Strait and from to Chesterfield Inlet.

‡‡*Bering Sea and Bering Strait.*—Bering Sea was free of ice. A barrier of heavy ice lay across the mouth of Kotzebue Sound. Early in the month the edge was lying near Point Hope, later it drifted northwards and navigable ice occurred from Cape Lisburne to past Point Barrow.

‡‡*Isforholdene i de arktiske Have*, 1924, published by the Danish Meteorological Institute.

RESÉAU MONDIAL, AUGUST 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE
FOR THE MONTH OF AUGUST 1924
BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **AUGUST—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1009·5	..	278·0	289·1	11th	271·7	269·7	sev. dates.	274·9	..	− 1·9	37	+ 17
125	Upernivik	72 47	56 7	19·2	1009·9	1012·2	+ 1·0	280·5	287·1	5th	..	..	..	..	*277·4*	− 0·5	7	− 21
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	1006·1	1008·9	..	..	287·9	5th	278·2	274·5	12th	..	*280·2*	..	45	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1007·7	1009·1	− 3·1	..	285·2	6th	276·7	271·8	31st	..	278·2	+ 0·7	33	+ 11
140	Björnöen	74 28	19 17	40·5	1004·9	1009·9	..	..	287·1	6th	276·0	272·5	22nd	..	*277·7*	..	20	..
141	Gjesvaer	71 6	25 22	6·5	1009·0	1009·8	− 0·7	..	300·6	6th	282·7	277·2	30th	..	*285·3*	+ 2·3	55	− 4
142	Mehavn	71 1	27 47	10·2	1009·5	1010·7	+ 0·2	..	299·0	6th	281·7	275·2	24th	..	*284·8*	+ 2·1	30	− 22
143	ϕVardö	70 22	31 8	6·8	1010·5	1011·3	− 0·1	..	292·2	5th	281·6	276·2	29th	..	*284·2*	+ 2·4	24	− 25
147	Malye Karmakouly	72 23	54 43	15·3	1009·5	1011·3	− 1·0	282·6	293·8	8th	277·6	272·8	24th, 25th	280·1	*280·4*	+ 1·2	73	+ 30
148	Waigatz	70 24	58 47	11·2	1010·6	1012·0	..	282·3	288·3	8th	276·5	271·7	24th	279·4	*279·3*	..	9	..
153	Dickson	73 30	80 23	13	1006·2	1007·8	..	281·1	290·3	12th	276·7	273·8	21st, 25th	278·9	..	..	45	..
		N.	E.															

Between Latitude 70° N. and 60° N. **AUGUST—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1006·8	− 2·2	284·8	288·6	2nd, 10th	279·1	271·9	13th, 23rd	281·9	*281·9*	− 1·0	148	+ 68
204	Candle	65 55	161 57	2·4	..	..	..	285·8	290·8	9th	277·2	270·2	13th, 30th	281·5	..	− 1·8	..	..
205	Tanana	65 10	152 6	67·1	..	1007·8	− 1·3	289·7	297·4	10th, 11th	279·0	268·6	23rd	284·3	*284·4*	− 0·7	88	+ 34
206	Rampart	65 30	150 15	114	..	..	..	290·5	300·2	9th	278·3	270·2	24th	284·4	..	− 1·7	40	+ 3
207	Valdez	61 7	146 16	7·6	..	..	..	287·2	293·0	10th, 19th	279·8	274·1	25th	283·5	..	− 0·3	124	− 14
208	Eagle	64 46	141 12	254	..	1009·1	− 0·6	291·2	301·3	9th	278·0	268·0	17th	284·6	*284·7*	− 0·2	42	− 7
209	Dawson	64 4	139 29	324	971·1	1009·4	− 1·4	291·9	301·9	9th	277·4	267·4	17th	284·7	..	− 0·7	40	+ 4
210	Carcross	60 11	134 34	662	..	..	..	292·7	302·4	7th, 8th	276·9	269·1	17th	284·8	..	+ 1·1	23	+ 2
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	993·9	1010·5	− 1·3	293·3	300·8	10th, 13th	278·9	266·9	15th	286·1	..	− 0·5	71	+ 40
213	ϕHay River	60 51	115 20	161	989·5	1008·6	− 1·2	291·1	302·4	17th	281·3	274·7	4th	286·2	..	− 0·7	60	+ 14
225	Jacobshavn	69 13	51 2	31·6	1006·4	1010·3	− 0·1	281·3	287·7	21st	276·3	272·7	29th	278·8	*278·8*	− 0·8	45	+ 9
226	Godthaab	64 11	51 43	20·4	1006·2	1008·7	− 0·7	284·1	289·0	11th	278·2	276·1	1st	281·1	*279·8*	+ 0·6	80	+ 1
227	Ivigtut	61 12	48 10	5·0	1008·7	1009·3	− 0·5	285·2	289·0	20th	278·3	275·2	15th	281·7	*282·0*	+ 0·5	58	− 38
229	Angmagsalik	65 37	37 33	29·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231	Stykkisholm	65 5	22 46	25	..	1006·4	− 3·4	285·9	289·6	3rd, 15th	280·1	276·1	23rd	283·0	*282·3*	+ 0·1	20	− 21
232	Westmanno	63 24	20 17	132	..	1004·0	− 5·0	287·2	290·3	20th	281·0	277·6	22nd	284·1	*282·9*	+ 0·4	66	− 12
233	Grimsey	66 33	18 1	22·0	..	1005·9	− 4·8	282·2	288·4	8th	278·5	275·5	22nd	280·3	*279·6*	− 0·2	109	+ 77
233*a*	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn	64 41	14 22	18·0	..	1004·8	− 4·7	286·8	293·3	9th	280·4	276·8	24th	283·6	*283·1*	+ 1·7	117	+ 37
235	Thorshavn	62 3	6 45	26·3	1000·2	1003·4	− 6·5	286·6	290·4	1st	282·1	280·0	7th, 26th	284·3	*284·1*	+ 0·8	72	− 20
236	Lerwick	60 9	W 1 11	18·0	..	1004·7	− 5·1	287·9	290·2	10th	284·2	281·9	8th	286·1	*286·1*	+ 1·5	45	− 31
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1001·9	1007·2	− 2·8	291·2	295·6	12th	285·1	282·5	7th	288·1	*287·7*	+ 1·1	166	+ 7
238	Aalesund	62 28	6 10	6·3	1006·4	1007·2	− 3·2	..	295·2	12th	285·9	283·2	7th	..	*287·9*	+ 2·1	110	− 2
239	ϕTrondhjem	63 26	10 25	37·0	1003·2	1007·6	− 1·8	292·2	297·7	4th	284·5	280·4	9th	288·3	*287·8*	+ 1·8	104	+ 29
240	Bodö	67 17	14 24	22·3	1005·2	1007·9	− 2·0	..	298·0	16th	285·7	278·9	29th	..	*288·2*	+ 3·1	61	− 16
241	Haparanda	65 50	24 9	9·2	1010·4	1011·5	+ 1·3	292·9	300·0	1, 3, 5	284·4	274·5	25th, 26th	288·7	*288·7*	+ 2·9	56	+ 2
242	Helsingfors	60 10	24 57	11·7	1011·9	1013·3	+ 3·1	293·5	298·0	15th	286·3	279·2	26th	289·9	*290·0*	+ 1·7	100	+ 26
242*a*	Kuopio	**	**	**	‡985·5	‡1013·1	+ 1·6	292·5	300·0	1st	284·5	277·1	27th	288·5	*288·1*	+ 1·3	122	+ 49
243	Kola	68 53	33 1	6·7	1011·5	1012·3	+ 1·8	291·6	300·6	4th	282·4	273·4	26th	287·0	*286·8*	+ 3·0	37	− 7
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1013·9	1014·7	+ 3·7	293·4	302·3	5th	283·8	275·6	27th	288·6	*288·3*	+ 1·8	10	− 52
246	Mezen	65 50	44 16	14·9	1012·7	1014·5	+ 4·3	291·3	301·2	7th	280·8	273·3	20th	286·0	*286·1*	+ 1·9	63	+ 12
247	Oust-Tsylma	65 25	52 18	?68	1005·1	1013·3	+ 2·6	289·9	300·2	5th, 8th	279·8	273·8	28th	284·8	*284·7*	+ 0·3	39	− 21
248	Teherdyn	60 24	56 31	?177	..	..	..	291·6	299·5	8th	282·3	276·2	29th	287·0	*286·3*	− 0·8	43	− 28
249	Berezov	63 56	65 4	39·5	1007·5	1012·3	+ 2·7	288·8	298·6	6th	..	..	..	..	*284·6*	− 1·2	16	− 44
250	ϕObdorsk	66 31	66 36	35·2	1009·1	1013·4	+ 3·5	..	296·4	6th	279·0	273·8	28th	..	*283·3*	− 0·7	55	+ 4
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	§Sourgout	61 15	73 24	?40	1003·8	1008·6	+ 0·1	..	296·0	6th	280·4	274·6	9th	..	*285·6*	− 1·2	67	− 15
253	Doudinka	69 23	86 4	20·0	1006·0	1008·4	+ 0·9	..	292·1	11th	..	..	..	..	*283·3*	− 1·0	51	+ 1
254	Touroukhansk	65 47	87 57	45·0	1004·2	1009·5	− 0·4	..	293·2	9th, 10th	?281·2	?271·0	4th	..	*285·4*	+ 0·1	75	+ 19
261	Viliouisk	63 45	121 35	120	..	..	..	..	301·2	3rd	282·8	274·1	18th	..	*289·0*	+ 1·7	38	− 3
262	§Iakoutsk	62 1	129 43	108	995·4	1008·2	+ 0·7	..	299·2	5th	283·0	277·8	18th	..	*289·3*	+ 1·5	30	− 19
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105.
** Station moved to 62°55′ N., 27°40′ E., 233 m. from August 6th. ϕ Change of normals *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	286·1	293·6	17th	280·7	277·4	12th	283·4	..	..	77	..
302	St. Paul Island	57 15	170 10	21·3	..	1009·8	+ 1·7	282·9	284·1	10, 21, 27	279·7	278·6	13th	281·3	..	+ 0·2	87	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1012·5	+ 0·3	..	..	..	..	..	..	..	..	..	..	..
304	Port Moller	55 56	160 30	5·5	..	..	..	288·3	296·9	3rd	282·9	277·4	24th	285·6	..	..	35	..
305	Dillingham	59 0	158 28	24·4	..	..	..	288·2	293·6	7th, 8th	280·5	274·7	27th	284·3	..	— 1·3	149	+ ..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1011·2	+ 0·2	289·7	294·7	3rd	282·3	278·0	24th	286·0	*285·5*	+ 0·9	‡63	— ..
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 19	††147 48	§(30)	..	1019·3	+ 1·0	..	..	286·3|+1·1	..	..	..	..	286·3	+ 1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1014·5	— 1·3	289·9	296·9	17th	283·1	276·3	28th	286·5	*286·1*	+ 0·4	148	+ ..
310	Prince Rupert	54 18	130 18	51·8	1010·6	1016·9	— 0·3	290·2	297·4	12th	283·0	277·4	29th	286·6	*286·5*	— 0·2	152	+ ..
311	Barkerville	53 2	121 35	1274	869·5	1011·6	— 1·1	289·7	295·2	11th	278·6	272·4	30th	284·1	*283·7*	— 0·8	127	— ..
312	ϕKamloops	50 41	120 29	385	970·5	1014·8	— 1·9	299·4	305·2	10, 13, 26	286·1	279·1	30th	292·7	*292·7*	— 0·3	23	— ..
313	Calgary	51 2	114 2	1045	893·7	1010·3	— 0·8	296·3	306·3	26th	279·7	274·1	29th	288·0	*287·2*	— 0·2	118	+ ..
314	Fort Chipewyan	58 42	111 10	218	982·6	1008·3	— 2·8	291·9	295·8	11th	281·9	273·0	31st	286·9	*287·5*	— 0·6	46	+ ..
315	Prince Albert	53 10	105 38	442	960·0	1011·6	0·0	293·6	300·2	25th	281·3	277·4	8, 12, 29	287·4	*286·9*	— 0·9	100	+ ..
316	Qu'Appelle	50 30	103 47	645	936·2	1010·3	— 1·1	294·1	300·8	24th, 25th	281·3	276·9	8th, 16th	287·7	*287·0*	— 1·7	71	+ ..
317	Minnedosa	50 15	99 50	515	951·2	1010·8	— 1·9	293·9	301·3	27th	281·3	274·6	16th	287·6	*287·3*	— 1·3	83	+ ..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	277·1	273·0	14th, 18th	..	..	..	188	+ ..
318*a*	Port Nelson	57 0	92 51	14·9	1007·9	1009·7	— 0·9	289·7	297·4	1st	280·8	273·6	11th	285·2	..	+ 0·2	252	+ ..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1008·8	1009·9	— 2·1	293·2	298·6	6th	283·2	278·0	14th	288·2	..	+ 0·4	85	+ ..
321	Fort George	53 50	79 5	97·5	..	..	..	286·8	291·3	21st	280·2	274·7	18th	283·5	..	..	115	+ ..
322	Mistassini Post	50 15	73 55	383	..	..	..	291·8	297·2	23rd	281·4	275·8	10th, 15th	286·6	..	— 0·2	126	— ..
324	Natashquan	50 8	61 48	6·1	..	..	..	293·1	298·6	19, 24, 25	281·1	277·4	4th	287·1	..	+ 0·8	74	— ..
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††52 31	††27 42	§(28)	..	1013·7	..	..	..	286·2|−0·9	..	..	..	..	286·3	..	..	..
333	53°—48° N. 20°—15° W.	††50 8	††17 23	§(53–54)	..	1018·6	..	..	..	288·3|−1·0	..	..	..	..	288·4	..	..	..
333*a*	62°—57° N. 20°—15° W.	††60 8	††17 19	§(47)	..	..	..	..	..	285·5| 0·0	..	..	..	285·4	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1012·2	— 2·0	289·0	291·3	10th	285·0	280·8	8th	287·0	287·1	— 0·8	128	+ ..
335	Aberdeen	57 10	W 2 6	26·8	..	1005·0	— 6·4	289·0	293·6	9th	283·8	279·1	27th	286·4	286·3	+ 0·2	58	— ..
336	Greenwich	51 28	0 0	46·3	..	1011·1	— 3·9	294·1	299·7	5th	283·8	280·8	9, 20, 28	288·9	287·9	— 1·3	49	— ..
337	Uccle	50 48	E 4 22	100	1000·3	1012·2	— 3·4	293·2	297·9	11th	283·5	278·8	28th	288·3	287·3	— 1·9	132	+ ..
338	De Bilt	52 6	5 11	3·0	1010·6	1011·0	— 4·0	292·3	297·2	13th	283·9	280·2	28th	288·1	287·4	— 2·2	149	+ ..
338*a*	Hamburg	53 33	9 58	40·3	1006·3	1011·1	— 2·6	292·7	299·7	12th	284·9	282·3	9th, 20th	288·8	*288·2*	— 1·6	115	+ ..
339	†Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1010·2	1010·8	— 2·1	293·1	299·0	14th	285·6	282·2	21st	289·3	*289·1*	+ 1·1	52	— ..
340	Potsdam	52 23	13 4	84·9	1001·9	1012·0	— 2·7	294·4	301·5	12th	285·0	281·3	20th	289·7	289·1	— 0·6	80	+ ..
340*a*	Uppsala	59 51	17 38	24	1008·2	1011·0	+ 0·5	295·1	302·2	14th	283·0	276·6	26th	289·1	289·1	+ 1·4	41	— ..
341	Warsaw	52 13	21 3	89·9	1002·4	1013·1	— 2·0	295·1	302·7	14th	285·3	281·4	12th, 28th	290·2	*290·1*	..	81	— ..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1004·8	1013·7	+ 2·2	295·1	302·6	19th	285·0	279·8	31st	290·1	289·4	+ 1·2	86	— ..
343	Leningrad	59 56	30 16	4·8	1013·6	1014·2	+ 3·3	294·6	300·9	16th	285·6	277·0	28th	290·1	*290·1*	+ 1·5	64	+ ..
344	Kiiv	50 27	30 30	183	992·8	1014·2	+ 0·3	297·4	303·1	9th	287·3	280·1	29th	292·3	*291·6*	+ 0·4	60	+ ..
344*a*	Moscow	55 50	37 33	167	995·5	1015·3	+ 2·9	294·9	300·4	9th	283·1	275·4	27th	289·0	*289·0*	+ 0·2	43	+ ..
345	Saratov	51 33	45 57	122	999·1	1013·4	+ 1·7	297·3	305·0	10th	285·9	279·6	30th	291·6	*291·8*	— 0·7	39	+ ..
346	Kazan	55 47	49 8	79·9	1004·7	1014·2	+ 2·7	295·1	300·6	9th, 22nd	284·7	279·0	28th	289·9	*289·5*	— 0·9	65	+ ..
347	Orenburg	51 45	55 6	109	999·1	1011·9	— 0·5	298·1	303·7	15th	285·3	277·3	31st	291·7	*291·6*	— 1·1	16	+ ..
348	Perm	58 1	56 16	163	993·4	1012·8	+ 2·0	292·4	296·7	7th, 8th	282·8	277·9	21st	287·6	*287·4*	— 0·7	72	+ ..
349	Sverdlovsk	56 50	60 38	281	978·0	1011·2	+ 1·5	291·8	298·8	23rd	282·7	276·1	29th	287·2	*286·8*	— 0·9	55	+ ..
350	ϕTobolsk	58 12	68 14	108	997·2	1010·1	+ 0·1	292·0	297·8	7th	282·4	275·9	22nd	287·2	*286·7*	— 1·4	45	+ ..
351	Akmolinsk	51 12	71 23	347	..	..	..	296·6	305·4	28th	283·4	276·2	23rd	290·0	*290·1*	— 0·9	103	+ ..
352	Omsk	55 1	73 19	108	995·9	1008·7	— 0·5	295·1	302·4	18th	283·3	275·1	24th	289·2	*289·0*	— 0·3	17	+ ..
353	Barnaoul	53 20	83 48	162	990·2	1009·2	— 0·7	296·0	305·3	27th	283·4	274·8	25th	289·7	*290·0*	+ 0·2	59	+ ..
354	Tomsk	56 30	84 58	122	993·2	1007·7	— 1·6	..	302·2	2nd	283·2	274·5	31st	..	*287·6*	— 0·5	37	+ ..
355	Minousinsk	53 43	91 41	248	980·2	1009·1	— 0·4	..	305·4	1st	284·5	277·6	23rd	..	*291·0*	+ 0·7	49	+ ..
356	Eniseisk	58 27	92 10	77·6	998·3	1007·5	— 1·3	..	300·8	1st	281·8	274·5	26th	..	*287·2*	— 1·4	98	+ ..
357	Irkutsk	52 16	104 19	467	955·2	1009·1	— 0·6	295·0	300·3	30th	281·3	273·4	26th	288·1	288·0	+ 0·2	79	+ ..
358	ϕKirensk	57 47	108 7	278	975·8	1008·3	— 0·1	..	301·9	5th	282·9	277·3	25th, 26th	..	*288·1*	— 0·2	121	+ ..
359	ϕTchita	52 2	113 30	674	929·2	1005·5	— 1·7	..	..	..	..	..	19th	..	*288·9*	+ 0·5	120	+ ..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	965·0	1009·0	+ 2·0	295·2	300·0	7th	280·9	273·3	19th	288·0	*288·6*	+ 0·3	60	+ ..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	991·8	1008·3	+ 1·5	298·3	307·2	7th	286·7	284·0	28th	292·5	*292·4*	+ 0·4	69	+ ..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1008·2	‡1009·8	+ 0·1	..	..	..	282·9	279·7	9th	..	*284·9*	+ 0·1	31	+ ..
		N. °	E. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·5	— 0·4	291·2	294·8	11th	283·5	280·6	28th	287·3	286·7	— 1·1	13	— 3
412	Portland, Oregon	45 32	122 41	46·6	1011·3	1016·6	+ 0·2	297·4	304·1	26th	286·9	281·3	29th	292·2	*291·9*	+ 0·1	16	0
413	Macleod	49 44	113 24	953	..	..	..	295·4	303·0	27th	282·3	276·9	31st	288·9	*289·2*	— 1·0	87	+ 46
414	Helena	46 34	112 4	1253	873·5	1012·8	— 1·4	298·9	308·6	28th	284·2	279·7	5th	291·6	*291·5*	— 0·7	6	— 12
414*a*	Salt Lake City	40 46	111 54	1329	866·2	1010·8	— 1·2	303·8	308·6	28th	290·4	282·4	21st	297·1	*297·5*	0·0	8	— 13
415	Cheyenne	41 8	104 48	1856	814·8	1011·5	— 1·8	300·2	305·8	2nd	283·9	279·7	22nd	292·1	*292·9*	+ 0·2	6	— 32
416	North Platte	41 8	100 45	860	916·1	1012·8	— 1·5	304·2	310·8	18th	289·2	284·7	22nd	296·7	*296·2*	+ 1·3	24	— 36
416*a*	Bismarck	46 47	100 38	510	953·9	1013·5	— 1·0	298·8	308·6	28th	284·8	279·7	31st	291·8	*291·8*	— 1·0	49	0
417	Winnipeg	49 53	97 7	232	983·9	1011·1	— 2·0	296·3	304·7	25th	283·6	276·3	12th	289·9	*289·8*	— 0·8	35	— 20
418	Duluth	46 47	92 6	345	972·3	1013·2	— 1·7	295·1	304·7	26th	284·1	278·6	18th	289·6	*289·0*	— 0·7	112	+ 30
419	Port Arthur	48 27	89 12	196	989·0	1012·1	— 2·6	293·6	299·7	7th, 23rd	284·1	278·6	10th, 11th	288·8	*288·7*	+ 0·3	138	+ 66
420	Chicago	41 53	87 37	251	986·0	1015·6	— 0·4	298·4	306·3	5th	290·9	287·4	10th	294·7	*294·5*	— 1·0	206	+129
421	Toronto	43 40	79 24	116	1001·0	1014·6	— 0·8	297·8	304·3	31st	286·7	282·0	19th	292·3	292·1	— 0·3	100	+ 29
422	ϕNew York (Central Park)	40 47	73 58	47·4	1010·1	1015·6	— 0·9	301·4	310·2	7th	291·5	285·8	19th	296·4	296·0	+ 0·1	148	+ 38
423	St. John, N.B.	45 17	66 4	36·2	1008·8	1013·1	— 2·3	293·7	298·9	30th	285·2	282·4	18th	289·4	289·0	+ 0·5	170	+ 72
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·8	1011·9	0·0	288·8	291·9	25th	284·1	278·3	16th	286·5	*286·6*	0·0	111	+ 23
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1014·1	1015·0	— 0·9	292·7	295·8	13th, 14th	289·0	286·9	1, 4, 28	290·8	*290·7*	+ 2·9	245	+152
425	Port aux Basques	47 35	59 10	9·1	1011·6	1012·7	— 2·1	291·9	294·7	25th	286·1	281·6	2nd	289·0	*288·8*	+ 1·7	127	+ 10
426	St. John's, Newfoundland	47 34	52 42	48·8	1007·6	1013·4	— 1·1	295·2	301·3	10th	288·0	281·9	31st	291·6	*291·1*	+ 3·2	125	+ 31
										Sea Temp.							
430	50°—45° N. 35°—30° W.	††46 25	††32 28	§(34)	..	1023·6	..	..	..	291·9|+1·8	..	..	..	..	291·6	..	..	..
435	Madrid	40 24	3 41	667	939·6	1014·1	— 0·7	303·3	309·3	6th	289·0	282·5	23rd	296·1	*295·3*	— 0·4	0	— 7
436	Nantes	47 15	W 1 34	36·5	1011·1	1015·6	— 1·6	294·0	300·0	11th	284·6	281·5	8th	289·3	288·9	— 1·6	53	+ 6
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·6	1014·8	— 1·8	293·4	298·8	5th	284·3	281·0	20th	288·9	288·4	— 2·3	119	+ 69
438	Marseille	43 18	5 23	75	..	1014·6	— 0·8	298·3	302·6	5th, 7th	286·9	281·5	26th	292·6	*292·1*	— 2·3	43	+ 22
438*a*	Zürich	47 23	8 33	493	958·9	1016·4	— 0·5	293·7	303·0	7th	283·3	277·2	29th	288·5	287·3	— 3·1	172	+ 43
439	Rome	41 54	12 27	45·5	1008·8	1014·0	— 1·1	302·0	305·3	6th	290·9	286·2	29th	296·4	*296·4*	— 0·8	11	— 15
440	Vienna	48 15	16 22	203	990·4	1014·2	— 1·2	293·1	298·3	13th	286·1	282·0	22nd, 27th	289·6	289·5	— 3·0	49	— 20
440*a*	Budapest	47 31	19 1	130	998·1	1013·4	— 1·7	298·3	303·4	8th	286·8	282·1	28th	292·5	292·1	— 0·9	54	+ 5
441	Sofia	42 42	23 20	550	950·2	1012·5	— 2·2	299·1	310·2	24th	287·8	283·7	31st	293·5	293·1	— 0·2	92	+ 38
442	Bucharest	44 25	26 6	82	1002·6	1012·1	— 1·8	302·1	308·0	21st	288·8	282·5	31st	295·5	294·7	— 0·5	86	+ 35
443	Odessa (Observatory)	46 26	30 46	42·8	1006·9	1011·9	— 2·4	299·0	303·2	7th	290·2	284·0	31st	294·6	*294·2*	— 0·5	29	— 3
444	ϕKharkiv (University)	50 0	36 14	140	997·9	1014·2	— 0·5	299·8	306·1	21st	286·3	275·7	29th	293·1	*292·9*	+ 0·2	33	— 20
444*a*	Novorossiisk	44 44	37 49	37·1	1006·4	1010·7	— 1·5	301·2	305·5	7th, 21st	291·5	288·0	16th	296·4	*296·4*	0·0	58	+ 23
445	Tiflis	41 43	44 48	404	964·2	1009·2	— 2·3	303·8	310·2	1st	293·0	289·1	23rd	298·4	297·9	+ 1·0	46	+ 8
446	Astrakhan	46 21	48 2	—20	1014·8	1012·5	— 0·5	301·1	305·0	25th	291·4	287·4	30th	296·2	*295·8*	— 0·4	23	+ 11
447	Fort Alexandrovsk	44 31	50 7	—23·0	1013·5	1010·8	— 0·6	301·5	307·9	12th	293·7	290·0	19th, 22nd	297·6	*297·1*	— 0·4	1	— 11
448	ϕKrasnovodsk	40 0	52 59	— 4·6	1008·6	1008·1	— 2·0	306·3	310·6	13th	298·2	294·2	22nd	302·2	*301·5*	+ 0·2	1	— 4
449	Kasalinsk	45 46	62 7	66·7	1003·0	1010·7	+ 0·2	..	..	..	289·3	284·7	8th	..	*296·7*	+ 0·3	0	— 8
450	Tashkent.	41 20	69 18	478	952·4	1005·4	— 1·5	307·9	312·0	16th, 17th	290·1	284·2	9th	299·0	*298·9*	+ 1·3	0	— 1
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	9	— 10
452	Alma Ata	43 16	76 53	841	914·3	1006·0	— 1·8	303·3	308·6	18th	289·5	284·5	11th	296·4	*296·3*	+ 2·1	9	— 18
461	ϕMoukden	41 48	123 23	43·8	1001·9	1006·9	+ 0·1	304·4	308·5	7th, 8th	292·3	286·0	28th	298·3	297·7	+ 1·1	84	— 73
462	ϕJoshin	40 40	129 11	31·9	1004·8	1008·5	+ 0·2	301·4	304·6	3rd, 4th	293·0	288·5	16th	297·2	296·6	+ 1·6	47	— 85
463	ϕYuki	42 20	130 24	65·6	1000·9	1008·5	— 0·2	300·5	305·5	22nd	292·3	285·9	16th	296·4	295·9	+ 1·5	84	— 84
464	Vladivostok	43 7	131 54	128	994·4	1009·2	— 0·3	298·6	303·7	9th	292·4	288·8	..	295·5	*294·8*	+ 1·0	96	— 14
465	ϕOchiai	47 20	142 47	27·4	1006·8	1010·0	+ 0·1	296·0	304·0	20th	285·0	275·2	26th	290·5	290·3	+ 0·3	114	+ 20
466	Nemuro	43 20	145 35	26·7	1007·5	1010·6	— 0·9	295·0	303·8	9th	288·3	282·0	16th	291·7	291·5	+ 1·5	36	— 74
466*a*	Syana	45 14	147 53	39·3	1005·5	1010·2	— 1·2	293·5	301·6	11th	285·6	275·3	29th	289·5	289·6	+ 0·8	66	— 31
		N.	E.															

Between Latitude 40° N. and 30° N. AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
508	35°—30° N. 145°—140° W.	††32 11	††141 51	§(26)	..	1024·4	+ 1·0	..	..	Sea Temp. 295·2|+0·6	..	..	..	..	293·6	— 0·6	..	..
511	San Francisco	37 48	122 26	47·2	1008·6	1014·5	+ 0·2	291·3	294·7	24th	284·8	284·1	23rd	288·1	*286·9*	+ 0·8	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1007·5	1014·9	+ 0·4	296·9	301·3	28th	283·5	280·8	2nd	290·2	*288·3*	— 0·5	1	0
513	San Diego	32 43	117 10	26·5	1009·9	1012·8	+ 0·5	295·1	297·4	12th	289·9	288·6	26th	292·5	*291·9*	— 0·7	0	— 2
514	Modena	37 48	113 54	1670	834·2	1010·8	— 1·1	303·7	308·6	27th	283·3	277·4	21st	293·5	*293·9*	+ 0·7	8	— 30
515	Santa Fé	35 41	105 57	2138	790·7	1010·8	— 0·6	300·6	303·6	24th	285·4	280·2	27th	293·0	*293·0*	+ 0·6	18	— 43
516	Denver	39 45	105 0	1613	838·4	1011·8	— 1·7	303·4	309·7	2nd	288·4	285·2	9th	295·9	*295·6*	+ 1·3	1	— 35
517	Abilene	32 23	99 40	530	952·7	1011·8	— 1·2	308·7	312·4	15th	296·4	293·0	17th	302·6	*302·0*	+ 2·0	38	— 24
518	Saint Louis	38 38	90 12	173	994·4	1014·5	— 1·0	303·7	308·0	27th	293·6	286·9	14th	298·7	*298·5*	+ 0·5	99	+ 11
519	Mobile	30 41	88 2	17·4	1013·5	1015·6	— 0·2	306·9	310·8	24th	296·7	293·6	14th	301·8	*300·9*	+ 2·2	82	— 97
520	Nashville	36 10	86 47	166	996·7	1016·2	— 0·2	305·3	308·6	22nd	293·6	288·0	15th	299·4	*299·5*	+ 1·1	66	— 24
521	Charleston	32 47	79 56	14·6	1014·1	1015·9	— 0·8	304·6	309·1	1st	297·1	293·0	14th	300·9	*300·4*	+ 1·2	210	+ 42
522	Washington	38 54	77 3	34·1	1011·7	1015·6	— 0·6	302·5	311·9	6th	291·1	284·7	19th	296·8	*296·6*	+ 0·3	129	+ 24
524	Bermuda	32 17	64 46	46·0	1013·8	1019·1	+ 0·2	302·3	305·0	30th, 31st	296·1	293·8	19th, 20th	299·2	*299·1*	— 1·0	156	+ 18
530	Santa Cruz (Flores)	39 27	31 9	40	1020·8	1025·8	+ 2·3	299·0	301·5	30th	293·6	292·3	14th	296·3	*296·2*	+ 1·0	86	— 7
531	Horta	38 32	28 38	65	1017·4	1025·2	+ 2·4	299·3	302·3	19th	292·5	290·8	13th	295·9	295·1	— 0·2	47	— 30
532	Ponta Delgada	37 44	25 40	22	1021·7	1024·3	+ 1·9	297·1	299·0	2nd	292·0	290·3	15th	294·5	294·4	— 0·5	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	22	— 37
533	ϕMadeira (Funchal)	32 38	16 55	25	‡1018·5	‡1021·5	+ 2·2	297·1	298·0	1, 19, 31	292·4	291·1	4th, 15th	294·7	*294·8*	— 0·5	0	— 3
535	Lisbon	38 43	9 9	95	1005·5	1016·6	— 0·3	298·9	305·0	27th	290·3	287·6	23rd	294·6	294·0	— 0·7	12	+ 6
535*a*	Melilla	35 17	2 59	40	1012·1	1016·7	+ 2·2	301·9	309·5	19th	294·1	290·8	30th	298·0	*299·0*	— 2·0	2	+ 2
536	Gibraltar	36 6	5 21	16·2	..	1015·5	— 1·4	300·3	305·8	19th	293·2	290·8	29th	296·8	*296·0*	— 0·6	2	— 1
536*a*	Colomb-Béchar	31 36	2 4	769	926·8	1008·7	..	312·5	314·9	20th	298·3	292·0	31st	305·4	*305·1*	..	1	..
		N. °	W. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
537	Palma	39 34	2 39	23	1012·2	1014·9	− 3·0	302·0	306·6	17th	291·9	288·0	27th	297·0	..	− 1·5	10	− ..
538	Algiers (Bouzaréah)	36 47	3 2	344	974·9	1014·0	− 1·6	299·3	306·1	11th	293·0	289·0	31st	296·2	*296·0*	− 0·7	0	− ..
538a	Gadames	30 9	9 30	351	..	..	..	316·2	322·2	19th	295·7	294·0	1, 22, 23	306·0	..	..	0	..
539	Tunis	36 48	10 10	21	1011·3	1013·7	..	304·8	316·3	22nd	294·1	290·7	11th	299·4	*298·9*	0·0	0	− ..
539a	Malta	35 54	14 31	56·4	..	1014·1	− 0·1	302·1	308·6	22nd	295·8	292·4	31st	298·9	*298·2*	− 0·3	0	− ..
540	Riposto	37 41	15 14	14·2	..	1015·9	− 0·4	301·5	303·2	17th, 23rd	295·0	292·4	3rd	298·3	*297·6*	− 0·9	1	+ ..
541	Athens	37 58	23 43	107	998·4	1010·6	− 1·3	305·7	312·6	25th	295·8	290·5	7th	300·7	300·3	+ 0·7	13	..
542	Alexandria	31 12	29 53	32·0	1005·6	1009·4	− 0·7	305·2	311·4	7th	297·6	296·1	6th	301·4	*300·4*	+ 1·2	0	− ..
543	Nicosia (P.W.D.)	35 9	33 22	159	987·5	1005·2	− 1·4	309·4	314·7	24th, 25th	293·6	289·7	9th	301·5	..	+ 0·5	0	− ..
544	Beirut	33 54	35 28	33·7	..	1007·1	− 1·1	304·5	305·2	26th	296·9	295·8	5, 10, 16	300·7	*300·6*	+ 0·4	0	− ..
545	Hinaidi	33 17	44 29	32·3	..	999·4	− 1·0	316·0	319·1	27th	297·9	294·7	22nd	306·9	*308·0*	..	0	..
546	Lenkoran	38 46	48 52	−20·0	1011·8	1009·5	− 1·9	..	306·5	12th	293·8	290·0	22nd	..	*298·6*	+ 0·4	0	− ..
547	Tehran	35 41	51 25	1220	..	..	..	308·0	312·7	14th	295·4	289·2	25th	301·7	*301·4*	− 0·3	11	+ ..
548	Meshed	36 16	59 35	946	875·1	..	..	306·3	309·1	7th, 21st	286·3	283·1	29, 30, 31	296·3	..	+ 0·2	0	− ..
549	Seistan	31 0	61 30	610	..	..	..	311·1	315·9	7th	298·1	293·3	28th	304·6	..	..	0	..
550	Quetta	30 11	67 3	1677	827·4	..	− 0·3	307·3	309·9	8th	290·0	283·8	29th	298·7	*298·4*	+ 0·9	3	− ..
551	Peshawar	34 2	71 37	339	962·2	999·3	− 0·9	311·4	313·2	26th	299·7	297·2	27th	305·6	*305·1*	+ 1·2	4	− ..
551a	Lahore	31 34	74 20	214	976·0	999·5	− 0·3	308·4	312·3	26th	299·9	295·9	29th	304·1	*303·6*	0·0	42	− ..
552	Simla	31 7	77 8	2204	778·0	..	+ 0·1	291·6	293·8	4th	288·2	286·9	21st	289·9	*289·6*	− 0·7	384	+ ..
552a	Leh	34 10	77 42	3503	665·0	..	0·0	297·6	301·3	18th	283·4	279·6	18th	290·5	*289·1*	+ 0·2	15	+ ..
559	ϕHankow	30 35	114 17	37·0	1001·9	1006·0	+ 0·3	307·1	309·1	9th	298·8	292·8	29th	302·9	*302·6*	+ 1·0	29	− ..
560	ϕTientsin	39 10	117 10	5·0	1006·6	1007·1	+ 0·1	303·6	307·9	10th, 13th	296·2	291·0	27th	299·9	*299·5*	+ 0·7	180	+ ..
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1005·5	− 0·4	306·1	309·8	21st	296·7	293·2	31st	301·4	300·2	+ 0·3	81	− ..
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	999·6	1007·4	+ 0·1	304·3	309·5	14th	295·1	289·0	29th	299·7	299·2	+ 1·6	11	+ ..
562a	Nagasaki	32 44	129 52	133	999·0	1005·0	− 3·3	303·3	306·3	14th	296·1	293·0	26th	299·7	299·4	− 0·2	204	+ ..
563	Kyoto	35 1	135 44	42·9	1003·1	1008·0	− 0·9	306·2	310·5	13th	295·4	290·4	24th	300·8	300·0	+ 0·9	71	+ ..
564	Tokyo	35 41	139 46	5·8	1008·7	1009·3	− 0·7	303·7	309·1	23rd	295·4	292·5	28th	299·6	299·2	+ 0·8	186	+ ..
565	Kanayama	37 53	140 46	24·6	1007·2	1010·0	− 0·1	302·3	307·5	9th, 14th	293·8	290·0	13th	298·1	297·4	+ 1·1	210	+ ..
566	Miyako	39 38	141 59	30·4	1006·2	1009·7	− 0·7	301·9	307·2	6th	292·6	287·2	16th	297·3	296·5	+ 1·5	77	+ ..

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1019·6	+ 1·7	304·4	305·8	20th	294·5	291·9	25th	299·5	*298·9*	..	130	− ..
605	Honolulu	21 19	157 52	11·6	1016·3	1017·6	+ 1·5	300·7	302·4	..	295·9	294·7	..	298·3	*298·2*	− 0·5	20	− ..
614	La Paz	24 10	110 20	12	1007·5	1008·8	..	307·3	309·8	18th	296·9	294·0	22nd	302·1	*301·4*	..	12	− ..
615	Chihuahua	28 38	106 4	1423	859·8	1007·9	..	303·9	307·0	15th	290·2	288·0	28th	297·0	299·2	+ 1·6	78	+ ..
616	Leon	21 7	101 41	1809	824·3	1012·2	+ 2·0	301·3	304·8	18th	285·7	283·0	25th	293·5	*293·6*	+ 0·1	67	+ ..
616a	Monterry	25 40	100 18	528	952·4	1010·2	− 0·3	308·7	310·0	6th	295·5	294·2	2nd	302·1	*301·5*	+ 1·2	45	+ ..
617	Tulancingo	20 5	98 22	2181	791·3	1010·0	..	296·9	299·2	16th	283·9	281·6	26th	290·4	*288·9*	− 0·9	49	+ ..
618	Galveston	29 18	94 50	16·5	1013·3	1015·2	+ 0·1	305·1	310·8	25th	299·9	297·4	31st	302·5	*301·8*	+ 1·3	12	+ ..
618a	New Orleans	29 57	90 4	16·2	..	1015·2	0·0	307·3	310·8	25th	298·5	296·9	9th	302·9	*302·2*	+ 1·9	57	+ ..
619	Merida, Yuc	20 58	89 38	22	1011·5	1014·0	− 1·2	305·0	307·0	26th	296·8	295·8	2nd	300·9	*300·0*	+ 0·2	205	+ ..
620	Havana	23 8	82 21	24·3	..	1015·1	− 0·4	305·7	307·0	5th	297·8	295·8	16th	301·7	*301·3*	+ 1·2	47	+ ..
620a	Key West	24 33	81 48	6·7	1014·1	1014·5	− 0·8	305·3	306·9	12th	299·4	294·7	30th	302·4	*302·1*	+ 0·7	98	+ ..
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	305·8	..	..	299·1	..	..	302·4	*302·5*	+ 1·1	174	+ ..
622	Watling Island	24 6	74 26	33·5	..	1014·4	− 0·7	..	304	15th	..	297	20th	..	*301·3*	..	..	− ..
633	Port Etienne	20 56	17 3	4	1011·8	1012·3	..	301·8	306·5	22nd	293·3	292·0	sev. dates	297·5	*295·9*	..	0	− ..
634m	Izaña	28 19	16 30	2367	772·5	..	..	294·2	299·3	21st, 26th	284·6	275·7	30th	289·4	*289·4*	− 1·2	0	− ..
634	La Laguna	28 28	16 20	547	954·2	1016·5	+ 0·8	298·0	303·2	12th	288·8	287·2	18th	293·4	*292·8*	− 1·8	0	− ..
636	Adrar	27 36	W 0 4	168	..	..	..	321·1	324·9	5th	297·2	287·7	23rd	309·2	*312·1*	..	3	− ..
638	Laperrine	22 36	E 5 26	1380	..	..	..	307·8	310·9	23rd	295·0	290·7	16th	301·4	..	..	5	− ..
641	Siwa	29 12	25 29	−23	1012·3	1009·6	..	311·1	316·0	30th	..	..	..	..	..	..	0	− ..
643	Cairo (Helwan)	29 52	31 20	116	995·1	1008·0	− 0·6	309·1	314·6	23rd, 24th	295·1	293·1	1st	302·1	*301·7*	+ 1·0	0	− ..
643a	Aswan	24 2	32 53	99·6	995·0	1005·9	− 0·4	315·2	322·0	25th	297·8	295·6	7th	306·5	*306·6*	+ 1·2	..	− ..
644	Tor	28 14	33 37	1·9	1005·0	1005·1	− 0·2	308·4	314·2	19th	298·4	294·6	27th	303·4	*303·0*	+ 1·9	0	− ..
647	Bushire	28 59	50 53	4·3	998·0	998·6	− 1·0	308·1	310·1	14th	302·1	299·1	28th	305·1	*304·5*	− 0·2	0	− ..
648	Jask	25 44	57 47	4·0	999·4	999·8	− 1·0	310·2	315·1	11th	302·9	299·9	20th	306·6	*306·0*	+ 1·8	0	− ..
649	Karachi	24 53	66 57	4·0	1000·8	1001·3	− 0·6	302·7	307·1	24th	298·4	296·8	31st	300·5	299·9	− 0·2	7	− ..
650	Jacobabad	28 17	68 29	56·7	992·5	998·7	− 0·3	313·0	316·4	25th	301·3	298·6	25th	307·1	*306·5*	+ 0·1	0	− ..
651	Jaipur	26 56	75 52	436	953·5	1001·5	− 0·4	304·2	308·8	22nd	297·3	294·9	17th	300·7	*299·6*	− 1·4	347	+ ..
652	Nagpur	21 8	79 5	310	968·8	1003·2	− 0·1	303·8	307·6	22nd	296·7	294·5	31st	300·3	*299·5*	+ 0·2	164	+ ..
653	Allahabad	25 25	81 51	94·2	990·6	1000·6	+ 0·1	305·0	308·1	22nd	298·7	297·7	3rd	301·9	*301·3*	− 0·2	380	+ ..
653a	Darjeeling	27 3	88 18	2265	773·3	..	− 0·4	291·4	295·1	5th	287·7	286·6	21st	289·6	*289·3*	+ 0·3	710	+ ..
654	Calcutta	22 36	88 23	6·4	1000·9	1001·7	− 0·2	304·8	307·4	18th, 19th	299·2	297·8	31st	302·0	*301·8*	+ 0·8	385	+ ..
655	Gauhati	26 8	91 41	59·7	996·4	1003·2	− 0·9	304·8	308·2	27th	298·5	297·1	18th	301·7	*300·9*	− 0·1	264	− ..
655m	Cherrapunji	25 15	91 42	1313	864·2	..	− 0·3	295·6	299·4	26th	291·3	290·1	4th	293·4	*292·9*	+ 0·1	1780	+ ..
655a	Akyab	20 11	92 56	6·1	1003·9	1004·6	− 0·5	302·2	304·6	26th	297·9	296·1	29th	300·1	300·2	0·0	1244	+ ..
656	Mandalay	21 59	96 0	76·2	996·9	1005·4	− 0·2	307·6	310·8	10th	298·7	297·0	24th	303·1	*302·7*	+ 0·3	63	− ..
656a	Tengyueh	25 2	98 33	1626	..	..	..	296·4	300·2	3rd	290·2	288·0	24th, 26th	293·3	292·6	0·0	424	− ..
657	Phu Lien	20 48	106 38	116	990·4	1003·6	+ 0·5	304·2	307·0	5th	297·4	295·1	5th	300·8	300·1	− 0·7	400	− ..
658	Moncay	21 31	107 51	9·0	1002·5	1003·6	+ 0·4	305·1	307·3	19th	297·9	295·9	25th	301·5	*301·1*	+ 0·2	390	− ..
659	Hongkong	22 18	114 10	33·2	..	1004·5	− 0·5	303·4	305·1	4th	298·7	297·2	5th	301·1	300·7	+ 0·2	271	− ..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1004·0	1005·0	+ 0·1	304·9	308·0	23rd	296·7	294·3	17th	300·8	300·2	− 0·6	618	− ..
661a	Basco	20 28	121 59	18·7	..	1006·4	+ 1·7	..	..	..	298·6	297·0	4th	..	*300·2*	− 0·6	115	− ..
662	Naha	26 13	127 41	8·2	1001·1	1002·3	− 3·9	302·2	304·5	6th, 7th	297·6	294·9	2nd	299·9	299·7	− 1·1	557	− ..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1007·6	1008·0	− 0·4	302·0	304·5	30th	297·5	294·5	14th	299·7	299·7	− 0·4	277	+ ..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
715	Colima	19 12	103 45	498	956·7	1012·2	..	303·4	305·7	3rd	293·8	291·5	10th	298·6	*297·7*	+ 0·4	299	..
716	Morelia	19 42	101 7	1923	..	..	..	295·9	297·8	16th	287·7	286·0	13th	291·8	*290·9*	+ 0·3	103	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	..	− 0·4	297·0	299·5	16th, 18th	283·6	281·7	9th	290·3	288·8	− 0·2	182	+ 56
718	Salina Cruz	16 12	95 12	56	1004·8	1011·2	− 1·2	304·4	306·5	28th	297·3	294·6	31st	300·8	*301·1*	+ 0·3	102	− 69
719	San Salvador	13 42	89 12	682	937·4	1013·0	+ 0·6	303·8	306·4	31st	291·5	288·4	5th	297·7	*296·0*	− 0·6	471	+164
720	Belize	17 29	88 12	5·2	1011·0	1011·6	− 1·8	304·3	306·1	23rd	296·9	294·1	2nd, 31st	300·6	*300·1*	− 0·2	154	− 14
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1013·3	− 0·2	303·9	305·8	14th	295·7	294·3	10th	299·8	*299·6*	0·0	121	− 57
722	Port au Prince	18 33	72 20	37·4	1009·6	1013·9	− 0·6	305·6	308·0	1st, 2nd	295·6	293·4	8th	300·6	*300·2*	− 0·5	173	+ 37
723a	Caracas	10 30	66 56	1042	900·1	1014·2	+ 0·6	298·5	301·0	31st	288·7	287·0	6th, 31st	293·6	*292·9*	− 0·3	154	+ 46
724	Montserrat	16 41	62 9	39·6	1009·0	1013·5	− 1·3	?302·8	?305·2	31st	?296·9	?295·2	29th	?299·9	*?299·5*	− 0·8	323	+144
724a	San Juan, Porto Rico	18 29	66 7	25·0	1011·9	1014·5	− 1·0	302·5	305·2	24th	297·2	295·8	24th	299·8	*299·6*	− 0·1	103	− 85
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·6	‡1012·5	− 0·3	302·6	304·1	5, 21, 31	297·1	294·1	16th	299·8	*299·2*	+ 0·4	217	− 25
725a	ϕBarbados	13 8	59 36	55·2	..	1013·3	− 0·5	301·9	303·5	8th	..	..	..	..	*298·5*	− 1·0	292	+104
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1011·3	1012·6	+ 0·1	300·8	302·5	20th	294·9	294·0	3rd, 10th	297·9	*298·8*	+ 0·2	7	− 32
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	301·8	302·7	15th, 19th	297·7	296·0	24th	299·7	*299·7*	+ 0·2	33	− 60
733	Dakar	14 40	17 26	32	1009·1	1012·8	..	304·3	307·2	16th	297·5	294·5	6th, 23rd	300·9	*300·3*	+ 0·4	248	+ 9
734	Bathurst	13 27	16 34	1·8	1013·7	1014·0	+ 0·7	303·2	304·1	10, 11, 12	296·1	293·6	11th	299·6	*299·9*	+ 0·4	664	+166
734a	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	306·9	..	..	295·8	..	..	..	..	260	− 50
735	Niénébalé	12 57	7 26	300	..	..	..	302·7	305·9	31st	..	..	..	..	*297·6*	..	255	− ..
736	Timbuktu	16 43	W 3 2	270	..	..	..	309·0	314·6	31st	296·8	292·1	10th	302·9	*302·0*	− 1·2	60	+ 1
737	Sokoto	13 2	E 5 14	353	..	..	..	304·9	309·1	23rd, 26th	294·5	292·4	1st, 10th	299·7	*299·0*	+ 0·5	278	+ 57
738	ϕKaduna Capital	10 32	7 25	637	946·4	1018·5	+ 1·8	300·9	304·1	29th	293·3	291·3	11th	297·1	*296·5*	+ 0·4	442	+121
739	Hadeija	12 40	10 5	?	..	..	..	305·0	310·2	30th	295·0	293·0	7, 20, 31	300·0	*299·3*	+ 0·7	218	+ 13
740	Maiduguri	11 47	13 11	361	..	..	..	303·8	307·4	26th, 27th	295·1	292·4	30th	299·4	*298·8*	− 0·5	364	+155
741	El Fasher	13 32	25 18	730	..	..	..	306·0	317·4	6th	293·2	291·6	15th, 16th	299·6	*298·1*	..	375	..
741a	El Obeid	13 11	30 14	569	946·6	1009·8	+ 0·2	..	..	..	294·8	293·0	6th, 11th	..	*299·2*	+ 0·1	173	+ 58
742	Khartoum	13 37	32 33	390	964·7	1007·6	− 0·9	310·0	313·9	19th	297·5	294·5	5th	303·7	*303·7*	− 0·3	47	− 25
743	Port Sudan	19 37	37 13	5·5	1003·8	1004·4	− 0·6	313·9	317·7	17th	302·3	300·0	5th	308·1	*307·2*	+ 0·7	0	− 1
744	Berbera, Somaliland	10 22	45 2	9·5	1003·0	1004·0	− 1·6	315·4	318·6	20th	303·6	298·6	29th	309·5	308·7	+ 0·7	19	+ 18
745	Aden	12 45	45 3	28·7	1001·4	1004·7	− 0·2	306·1	309·5	5th	299·9	296·3	28th	303·0	*303·2*	− 0·3	7	+ 4
746	Bombay	18 54	72 49	11·3	1004·6	1005·8	− 1·0	302·7	304·4	22nd	298·8	297·2	29th	300·7	300·2	+ 0·6	392	+ 41
751	Kodaikanal	10 14	77 28	2343	768·9	..	− 0·6	290·9	293·8	2nd	284·4	283·1	29th, 30th	287·7	*286·8*	+ 0·5	270	+ 92
752	Bangalore	12 59	77 38	921	907·6	1007·9	− 0·6	300·9	302·8	15th	292·1	290·3	2nd	296·5	*295·4*	+ 0·3	136	− 1
752a	Madras	13 4	80 14	6·7	1005·4	1006·2	− 0·9	308·2	312·0	3rd	299·1	297·6	23rd	303·6	*302·9*	+ 0·7	65	− 53
753	Vizagapatam	17 42	83 19	11·6	1002·0	1003·3	− 0·1	304·7	309·2	10th	299·3	297·3	1st	302·0	*301·4*	− 0·3	83	− 54
754	Port Blair	11 40	92 40	18·0	1005·7	1007·7	− 0·6	302·6	304·2	12th	298·2	295·8	31st	300·4	*299·8*	+ 0·1	291	− 82
755	Rangoon	16 46	95 48	5·5	1006·6	1007·3	− 0·2	302·6	304·7	14th	297·4	295·3	29th, 30th	300·0	*299·1*	+ 0·1	719	+214
756	Saigon (Cap St. Jacques)	10 20	107 5	180	987·2	1007·8	+ 0·7	302·8	305·2	17th	296·6	294·0	2nd	299·7	*299·2*	+ 0·1	100	− 51
757	Nhatrang	12 15	109 12	3·6	1005·0	1005·4	+ 0·2	305·5	310·3	5th	296·9	294·9	5th	301·2	*300·6*	− 0·6	96	+ 52
758	Bolinao	16 23	119 53	7·1	..	1006·1	+ 0·4	303·4	306·3	31st	297·1	295·4	7th	300·3	*299·7*	− 0·1	783	+223
759	Vigan	17 34	120 23	12·2	..	1005·8	− 0·5	302·3	305·8	29th	296·7	295·1	6th	299·5	299·4	− 0·4	1177	+471
761	Manila	14 35	120 59	14·2	..	1007·3	+ 0·2	303·4	305·6	21st	297·3	295·7	24th	300·3	299·8	− 0·2	654	+248
761a	Ormoc	11 0	124 36	5·6	..	1007·5	+ 0·2	305·0	306·2	15th, 16th	296·7	294·5	25th, 26th	300·9	*300·7*	+ 0·9	177	− 67
762	Manila	14 35	120 59	14·2	..	1007·3	+ 0·2	303·4	305·1	25th	297·8	295·9	4th	300·6	*300·4*	+ 0·2	410	+ 7
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1008·2	+ 1·1	303·4	305·1	25th	297·8	295·9	4th	300·6	*300·4*	+ 0·2		

Between Latitude 10° N. and 0°.

AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	?1012·0	?1012·6	..	?304·3	?305·5	20th	?298·1	?297·2	14th, 30th	?301·2	*?300·8*	+ 0·1	43	− 80
821	Colon	9 23	79 23	11·0	..	1011·4	+ 0·5	303·1	305·2	14th	297·0	296·3	10th	300·1	*299·7*	+ 0·5	188	−187
822	Bogota	4 36	74 5	2645	746·0	..	..	291·2	293·9	2nd	282·6	280·0	31st	286·9	*286·4*	..	21	− 36
822a	Merida, Venez	8 36	71 9	1641	‡841·5	..	− 0·4	297·5	300·0	19th, 30th	289·0	287·5	9th, 27th	293·2	*292·0*	+ 0·1	131	− 23
823	Ciudad Bolivar	8 9	63 33	38	1007·8	1012·1	..	303·5	306·0	31st	296·5	295·1	15th	300·0	*299·5*	..	58	−119
825	El Peru, Guayanavieja	7 19	61 49	220	986·5	1011·5	+ 0·4	302·7	304·0	31st	293·3	292·0	17th	298·0	*297·4*	− 0·6	424	+230
825a	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·8	− 0·1	303·2	304·4	10th	296·4	295·2	12, 14, 15	299·8	*299·3*	− 0·6	322	+148
826	Paramaribo	5 49	55 9	3·7	‡1012·7	‡1013·1	− 0·3	304·6	306·6	27th	294·8	293·2	2nd	299·7	*299·4*	− 0·1	294	+143
826a	Cayenne	4 56	52 21	6	..	..	..	305·6	309·0	8th	295·3	292·0	7th	300·5	*299·9*	− 0·1	54	− 16
831	10°—5° N. 30°—25° W.	†††7	4	††27	4	§(94-110)	..	1014·8	+ 1·2	..	..	Sea Temp.		299·3	—	0·1	..	..
833	Konakri	9 31	13 43	16	1011·9	1013·7	+ 1·1	300·6	302·5	30th, 31st	294·5	292·5	5th	297·5	*297·1*	− 0·5	1423	+361
834	Freetown, Sierra Leone	8 29	13 14	68·3	1006·4	1014·3	+ 1·6	300·5	303·0	16, 27, 30	294·5	293·0	11th	297·5	*296·8*	− 1·0	925	− 4
835	Assuantsi	5 18	1 15	101	..	..	..	301·2	303·0	10th	293·7	289·7	15th, 16th	297·4	*296·9*	..	47	− 15
836	Accra	5 33	W 0 12	27·0	1009·9	1013·0	..	300·7	301·9	10th, 11th	293·7	292·4	4, 11, 15	297·2	*296·7*	+ 0·5	2	− 14
837	Lagos	6 27	E 3 24	4·6	1011·7	1012·1	− 0·9	301·4	303·3	14th	296·5	294·7	12th	298·9	*298·2*	+ 0·4	3	− 14
838	Zungeru	9 48	6 10	130	..

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	A°.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	7	− 34
924	ϕManaos	3 8	60 1	43·8	1006·5	1011·6	..	305·3	307·4	23rd	296·0	294·0	14th	300·6	*299·6*	− 0·3	25	− 11
926	Taperinha	2 30	54 20	20·0	1010·6	1013·0	+ 0·4	306·4	308·1	20th	294·4	292·6	10th	300·4	*299·0*	+ 0·7	5	− 41
927	Turyassu	1 43	45 26	9·1	1012·1	1013·2	+ 0·3	305·5	307·7	14th	294·3	292·0	20th	299·9	*298·8*	− 0·2	76	+ 5
928	Barra do Corda	5 30	45 16	81·0	1002·9	1012·3	+ 0·5	306·0	308·0	31st	288·6	283·0	5th, 19th	297·3	*296·2*	− 2·0	0	− 7
929	Quixeramobim	5 16	39 15	207	991·8	1015·3	+ 1·2	302·7	304·6	26th	295·1	293·9	6th	298·9	*298·8*	− 1·1	23	+ 12
930	Fernando Noronha	3 50	32 25	106	1003·0	1015·2	+ 0·3	299·2	299·9	6th	296·2	294·8	19th, 29th	297·7	*297·7*	− 0·1	81	+ 39
										Sea Temp.								
930*a*	5°—10° S. 35°—30° W.	††7 10	††32 30	§(60–72)	..	1010·6	..	..	..	298·4 | 0·0	..	..	..	..	298·3	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 34	††31 24	§(33–39)	..	1009·7	..	..	..	299·5 | +0·9	..	..	..	..	299·2	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1015·0	1016·8	+ 0·2	300·7	301·9	11th	294·9	293·6	9, 10, 24	297·8	*297·1*	− 0·2	7	− 1
939	ϕLoanda	8 49	E 13 13	51	..	1014·8	− 0·6	297·1	300·3	20th	291·3	289·9	14th	294·2	293·7	+ 0·9	0	− 6
940	Brazzaville	4 17	15 16	321	980·6	1017·2	+ 2·7	301·4	308·0	25th	291·6	290·0	11th	296·5	*295·8*	− 0·1	0	− 6
943	ϕMasaka	0 21	31 47	?1280	..	..	..	300·3	301·9	20th, 25th	..	..	..	..	293·7	+ 1·6	53	+ 5
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	70	+ 35
944*a*	Zanzibar	6 10	39 11	21·9	1015·9	1018·5	− 0·4	300·3	301·4	17th	295·8	294·8	15th	298·1	*297·2*	+ 0·2	5	− 2
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	296·3	294·7	14th	..	..	..	8	+ 1
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·5	− 0·5	299·9	300·8	29th	298·0	297·1	21st	298·9	*298·1*	+ 0·3	23	− 8
957	Padang	0 56	100 22	6·7	..	1010·4	− 0·2	..	..	..	..	..	..	..	..	..	452	+ 91
958	Batavia	6 11	106 50	8·0	1009·5	1010·4	0·0	304·8	306·0	9th	296·0	294·7	4th	300·4	300·0	+ 0·9	4	+ 7
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	+ 0·3	..	..	..	..	..	..	..	..	..	295	+ 1
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 1
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	0	− 1
962	Amboina	3 42	128 10	4·2	..	1009·4	− 1·9	..	..	..	..	..	..	..	..	..	698	+ 56
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	125	− 2
965	ϕDaru	9 4	143 13	7·6	..	1009·9	− 2·4	299·9	..	..	296·3	..	..	298·1	*297·8*	+ 0·1	31	− 2
966	Port Moresby	9 29	147 9	39·0	..	1011·2	− 0·8	300·8	..	..	296·3	..	..	298·6	*298·2*	+ 0·3	3	− 23
967	Rabaul	4 9	152 12	20·7	..	1009·4	..	306·2	309·1	31st	295·1	293·8	29th	300·7	*300·0*	+ 0·7	75	− 5
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	?304·1	?305·8	12th	?297·2	?295·8	5th	?300·7	*?300·5*	+ 0·7	116	− 9
970	Ocean Island	0 52	169 35	54·0	1004·7	1010·9	+ 0·3	303·9	304·7	sev. dates	298·1	296·9	sev. dates	301·0	*300·3*	+ 0·1	22	− 7
		S.	E.															

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	A°.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1013·2	+ 0·9	302·4	303·3	14, 22, 30	296·6	294·6	18th	299·5	299·2	+ 0·8	137	+ 2
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	300·9	304·7	17th, 18th	292·8	287·4	30th	296·8	*296·6*	+ 0·7	494	+ 44
1021	Arequipa	16 22	71 33	2452	762·5	..	+ 1·2	292·6	294·3	6th	281·9	277·4	25th	287·3	286·8	+ 0·1	0	− 5
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·8	281·0	sev. dates	..	286·7	..	5	+ 1
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	1003·2	1016·7	+ 3·3	300·8	307·8	31st	287·2	279·0	14th	294·0	*294·0*	− 2·1	2	− 1
1026	Cuyaba	15 36	56 6	165	996·4	1015·6	+ 2·6	304·6	310·5	31st	286·6	278·6	13th, 15th	295·6	*294·5*	− 3·1	0	− 3
1027	Bello Horizonte	19 55	43 57	895	919·9	1019·8	+ 1·2	298·7	302·6	6th	284·6	280·8	17th	291·6	*290·8*	− 0·2	2	− 1
1028	Caetite	14 3	42 37	897	919·6	1020·3	+ 1·5	296·8	300·1	29th	285·8	282·0	18th	291·3	*291·2*	− 2·6	2	− 1
1029	Ondina (Bahia)	13 0	38 31	46·6	1013·7	1019·2	+ 1·4	298·3	299·7	29th	293·7	291·6	18th	296·0	*296·0*	− 0·2	61	+ 24
1030	Aracaju	10 55	37 3	6·1	1018·7	1019·5	+ 1·7	298·8	300·0	6th	293·7	291·5	18th	296·2	*296·4*	− 1·6	120	+ 78
										Sea Temp.								
1030*a*	15°—20° S. 40°—35° W.	††15 7	††39 14	§(73–82)	..	1017·6	..	..	..	295·8 | −0·9	..	..	..	..	295·6	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††13 2	††36 3	§(52–58)	..	1016·4	..	..	..	297·5 | 0·0	..	..	..	..	296·9	..	..	..
1035	St. Helena	15 57	W 5 40	604	947·8	1017·3	+ 0·6	292·2	295·2	3rd	285·3	283·6	9th	288·7	*288·4*	+ 1·3	46	+ 1
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	296·5	21st	..	283·5	25th	..	*290·4*	..	..	..
1041	Livingstone	17 51	25 51	972	909·9	1017·6	..	301·4	307·4	31st	283·1	280·1	2nd	292·3	..	..	0	− 1
1041*a*	Elisabethville	11 39	27 28	1236	880·6	1015·7	+ 1·7	300·9	304·8	21st	280·4	277·2	7th	290·6	..	− 0·6	0	− 1
1042	Gwelo	19 28	29 48	1417	..	..	..	297·3	304·7	29th	279·2	273·6	20th, 21st	288·2	..	− 0·2	1	− 1
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	856·7	1016·4	− 0·9	297·2	302·2	19th	279·9	273·8	25th	288·6	287·7	− 0·1	0	− 1
1044	Zomba	15 23	35 18	955	*911·6*	*1018·4*	+ 0·6	297·6	302·4	19th	284·4	280·8	22nd	291·0	*289·5*	− 0·3	5	+ 3
1044*a*	Mossuril	14 57	40 40	15	..	1018·6	..	299·9	303·0	31st	290·0	287·3	30th	294·9	294·7	..	50	+ 44
1045	Antananarivo	18 55	47 33	?1375	867·9	1019·0	− 0·5	294·9	299·2	24th	281·6	279·0	25th	288·3	287·3	+ 0·3	10	− 3
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	187	+ 134
1047	Vohémar	13 21	50 1	3	..	1006·3	..	303·4	305·2	..	292·1	290·8	..	297·7	*297·0*	..	92	+ 39
1048	Antalaha	14 58	50 19	3	..	1015·7	..	..	..	..	..	..	..	..	..	..	72	+ 19
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1014·6	1015·3	+ 0·8	300·6	301·9	23rd	297·1	294·9	29th	298·8	*298·5*	− 0·1	123	+ 58
1057	Christmas Island	10 25	105 43	5·5	1009·8	1010·4	− 0·1	303·2	304·1	19th, 21st	295·4	293·0	30th	299·3	*298·5*	− 0·1	83	+ 42
1061	Kupang	10 10	123 34	*45·1*	..	1012·0	− 0·2	305·4	307·5	30th	293·8	289·7	14th	299·6	*299·1*	+ 0·4	0	− 3
1061*a*	Derby	17 18	123 40	**16·2**	1013·0	1015·0	+ 0·3	304·9	308·3	13th	290·4	285·9	6th	297·7	..	+ 1·0	0	− 3
1062	Hall's Creek	18 13	127 46	373	973·3	1015·2	− 0·3	303·3	308·1	24th	283·8	278·6	30th	293·6	*292·9*	− 0·1	0	− 3
1063	Darwin	12 28	130 51	29·6	1009·1	1012·6	+ 0·1	304·9	307·3	15th	293·9	289·9	4th	299·4	*298·2*	+ 0·1	0	− 3
1064	Daly Waters	16 16	133 23	211	989·0	1012·8	− 1·2	304·9	308·0	22nd, 25th	286·1	280·8	12th, 13th	295·5	*294·8*	− 0·3	0	− 3
1065	Mein	13 13	142 47	122	997·9	1011·8	− 0·8	302·7	305·8	31st	290·8	285·4	14th	296·8	*296·0*	− 0·1	6	− 3
1066	ϕGeorgetown, Queensland	18 22	143 32	302	981·8	1016·2	+ 0·2	302·4	305·8	26th	287·2	280·2	11th	294·8	..	+ 0·4	74	+ 36
1066*a*	Willis Island	16 18	149 59	8·5	1014·3	1015·3	..	299·1	300·5	30th	294·8	293·3	14th	296·9	*296·5*	..	54	+ 16
1067	Samarai	10 37	150 40	15·2	..	1013·4	+ 0·4	300·5	..	..	295·4	..	..	297·9	*297·7*	+ 0·2	176	+ 138
1072	ϕSuva, Fiji	18 8	178 26	6·1	1015·5	1016·2	+ 0·4	298·6	302·4	13th	293·9	291·3	31st	296·3	*296·1*	+ 0·2	688	+ 650
		S.	E.															

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	A°.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	298·3	299·1	1, 14, 24	292·7	289·1	11, 18, 19	295·5	*295·3*	+ 1·3	151	+ 32
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1016·7	1020·0	+ 2·0	286·9	289·4	12th	281·8	279·6	10th	284·3	*284·2*	− 0·9	16	− 3
1122	Iquique	20 12	70 11	9	1017·6	1018·7	+ 2·1	289·1	291·2	20th	284·0	281·9	13th	286·5	*287·6*	− 1·2	0	0
1123	Catamarca	28 27	65 47	510	959·5	1019·3	+ 3·9	294·7	300·6	27th	277·4	269·8	12th	286·0	*285·7*	− 2·2	2	− 5
1124	Salta	24 46	65 28	1178	886·6	1018·7	+ 3·1	293·2	303·8	21st	274·3	264·2	12th	283·8	*283·7*	− 2·5	0	− 5
1125	Goya	29 9	59 15	26	1017·6	1020·8	+ 5·7	293·2	302·0	20th	280·2	273·7	14th	286·7	*286·4*	− 1·8	13	− 24
1126	ϕAsuncion	25 17	57 41	93	1009·1	1020·1	+ 4·5	295·8	305·0	21st	286·3	275·8	12th	291·0	*290·0*	− 2·1	20	− 21
1127	Curityba	25 25	49 17	908	918·4	1022·2	+ 2·1	293·4	298·5	21st	277·9	268·6	15th	285·6	*284·8*	− 1·5	2	− 81
1128	Rio de Janeiro	22 54	43 10	18·3	1020·2	1022·4	+ 3·6	297·3	303·3	22nd	289·6	286·6	16th	293·4	292·8	− 0·7	2	− 43
										Sea Temp.							
1128*a*	25°—30° S. 50°—45° W.	††27 29	††47 20	§(78–81)	..	1019·5	..	..	..	290·9 | −1·0	..	..	..	..	290·3	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 25	††41 29	§(36–42)	..	1017·8	..	..	..	294·8 | +0·5	..	..	..	..	294·4	..	..	..
			W.															
1139	Windhoek	22 34	E 17 5	1669	..	..	..	296·0	299·5	30th	281·3	275·4	7th	288·6	*288·5*	+ 0·6	0	− 2
1141	Kimberley	28 42	24 47	1202	886·5	1021·7	+ 0·2	293·9	302·0	24th	276·5	269·7	8th	285·2	284·8	− 0·5	0	− 6
1141*a*	ϕJohannesburg	26 11	28 4	1806	825·4	1022·2	− 0·2	290·4	296·7	24th	278·6	270·9	7th	284·5	*284·1*	− 0·9	4	− 9
1142	Bulawayo	20 9	28 35	1340	872·0	1019·1	0·0	296·4	303·4	29th	280·9	274·9	11th	288·7	*288·5*	− 0·5	1	0
1143	Durban	29 52	31 3	15·2	1021·5	1023·3	+ 1·0	294·1	298·2	27th	286·7	282·2	8th	290·4	*290·0*	− 0·7	41	− 3
1144	Lourenço Marques	25 58	32 36	59	..	1021·9	+ 0·2	297·9	308·6	28th	286·6	282·6	10th	292·3	291·5	− 0·4	7	− 8
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	281·9	280·0	..	..	..	..	12	..
1146	Fort Dauphin	25 2	46 58	25	..	1013·1	..	..	..	..	282·5	280·0	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1012·9	1019·4	− 1·1	296·9	298·7	3rd, 4th	290·7	287·0	24th	293·8	293·3	+ 0·3	109	+ 49
1159	Onslow	21 43	114 57	4·3	1015·0	1016·0	− 0·2	300·7	303·6	29th	283·9	279·9	4th	292·3	..	+ 0·2	0	− 9
1160	Cue	27 27	117 52	454	966·4	1019·0	+ 0·4	293·6	300·7	29th	280·3	274·9	12th	286·9	..	− 0·1	7	− 12
1161	ϕNullagine	21 53	120 5	386	972·2	1016·1	− 0·6	300·3	306·2	18th	280·6	274·3	2nd	290·4	..	− 0·3	0	− 10
1162	ϕLaverton	28 40	122 23	466	965·3	1019·0	− 0·5	293·8	300·8	29th	279·7	272·0	13th	286·7	*286·6*	+ 0·6	9	− 6
1163	Alice Springs	23 38	133 37	587	951·0	1017·8	+ 0·1	296·3	304·7	22, 23, 24	277·1	269·7	2nd	286·7	*286·5*	− 0·9	4	− 6
1164	William Creek	28 55	136 21	76·2	1011·4	1020·1	+ 0·4	294·6	306·9	20th	279·6	273·0	1st	287·1	*286·8*	+ 0·6	8	+ 1
1164*a*	ϕBoulia	22 55	139 38	146	1000·0	1017·0	+ 0·1	299·2	305·9	25th	282·9	275·8	12th	291·1	*290·9*	+ 1·0	0	− 6
1165	Thargomindah	27 58	143 43	123	1004·3	1018·9	− 0·2	295·6	303·1	23rd	280·2	273·1	4th	287·9	*287·6*	+ 0·5	0	− 14
1166	Mitchell	26 32	147 52	336	981·7	1020·5	+ 0·9	294·2	299·8	23rd	277·6	270·2	3rd	285·9	..	+ 0·3	83	+ 58
1167	Rockhampton	23 24	150 30	11·3	1017·3	1018·9	+ 0·1	297·9	301·8	13th	285·6	278·4	4th	291·7	*290·9*	+ 0·7	18	− 9
1168	Brisbane	27 28	153 2	41·8	1015·3	1019·7	+ 0·6	295·1	300·4	13th	284·1	278·0	5th	289·6	*288·9*	+ 0·8	34	− 19
1170	Norfolk Island	29 4	167 59	15·2	..	..	..	..	..	..	..	..	..	..	..	..	89	− 59
		S.	E.															

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	A°.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	981·2	1022·7	..	285·8	290·1	26th	279·9	278·1	8th	282·9	..	..	72	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1007·1	1021·8	+ 3·0	285·7	288·6	11th	278·0	275·0	11th	281·9	*282·6*	− 1·3	46	− 24
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1015·2	1020·2	+ 1·6	289·4	296·6	30th	279·8	277·0	12th	284·6	*284·1*	− 1·0	25	− 44
1222*a*	Santiago	33 27	70 42	520	958·3	1019·9	+ 1·1	291·9	302·2	28th	275·1	270·1	10th	283·5	*282·5*	+ 0·5	11	− 44
1223	Cordoba	31 25	64 12	423	970·7	1021·0	+ 4·3	293·1	303·6	27th	274·8	265·9	13th	283·9	283·6	− 1·3	0	− 13
1224	Bahia Blanca	38 45	62 15	25	1017·8	1021·0	+ 3·9	285·4	293·0	20th	275·2	269·2	12th	280·3	*280·4*	− 2·0	13	− 11
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1020·3	1023·4	+ 4·9	287·9	295·3	26th	276·4	271·5	29th	282·2	282·0	− 1·6	54	− 9
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1019·7	+ 2·1	..	292·0	18th	..	274·6	23rd	..	*282·6*	− 1·7	91	− 12
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1019·0	1021·8	+ 3·0	291·9	301·4	21st	280·1	272·9	1st	286·0	285·6	− 1·9	108	− 21
										Sea Temp.							
1226*b*	30°—35° S. 55°—50° W.	††32 33	††51 29	§(71–78)	..	1018·5	..	..	..	284·4 | −2·4	..	..	..	..	285·1	..	..	..
1239	ϕCape Town	33 56	W E 18 29	12·2	..	1020·9	+ 0·6	290·3	298·1	9th	281·6	276·3	7th	285·9	*284·5*	− 0·2	100	+ 14
1240	Danger Point	34 37	19 18	27·7	1015·9	1019·3	..	288·8	291·9	13th	282·2	277·4	7, 8, 9	285·5	..	− 0·6	99	+ 11
1241	Riversdale	34 6	21 16	?100	..	..	..	292·8	301·6	14th	277·8	273·0	9th	285·3	..	..	43	+ 7
1242	East London	33 2	27 55	44·8	..	1020·2	+ 0·3	293·9	310·3	27th	283·3	277·7	8th	288·6	..	0·0	11	− 31
1259	Perth (Observatory)	31 57	115 51	60·0	1011·9	1019·1	+ 0·3	290·1	297·8	3rd	280·8	276·4	25th	285·4	*285·4*	− 0·9	214	+ 70
1260	Katanning	33 42	117 35	310	980·2	1017·6	− 0·3	286·9	292·1	3rd	277·2	272·4	25th	282·1	..	− 1·3	78	+ 15
1261	ϕCoolgardie	30 57	121 10	423	968·6	1018·0	− 1·0	292·2	300·7	29th	278·2	273·6	12th	285·2	*285·1*	+ 0·2	13	− 12
1262	Eucla	31 45	128 58	4·6	1017·5	1018·0	0·0	291·8	304·1	30th	280·1	275·2	4th	285·9	*285·6*	− 0·6	6	− 18
1263	ϕStreaky Bay	32 48	134 13	13·1	1017·7	1019·1	− 0·4	291·8	295·8	22nd	281·5	277·4	1st	286·7	*286·4*	+ 1·0	37	− 12
1264	Adelaide	34 56	138 35	42·7	1014·1	1019·1	− 0·1	290·7	297·0	31st	280·9	277·1	27th	285·8	*285·7*	+ 0·6	54	− 10
1265	Melbourne	37 49	144 58	35·1	1014·0	1018·3	+ 0·3	287·7	294·2	22nd	279·7	274·6	8th	283·7	*283·3*	+ 0·1	103	+ 56
1266	Bourke	30 13	145 58	110	1010·2	1023·5	+ 1·3	294·6	303·6	24th	278·6	273·6	1st	286·6	..	− 0·1	26	+ 4
1267	Sydney	33 51	151 13	42·1	1013·7	1018·8	+ 0·7	291·2	300·3	24th	281·5	278·1	6th	286·3	*285·8*	+ 0·5	58	− 17
1268	Lord Howe Island	31 20	159 0	4·6	1020·6	1021·1	+ 2·8	292·0	294·6	24th	286·7	281·9	8th	289·3	..	+ 0·7	269	+133
1271	Auckland	36 50	174 50	38·1	..	1019·1	+ 3·9	287·7	290·8	27th	281·1	277·4	9th, 20th	284·4	..	+ 0·2	94	− 13
1272	ϕNapier	39 29	176 55	1·5	..	..	..	286·3	290·5	28th	278·6	273·0	21st	282·4	..	− 0·5	110	+ 20
		S.	E.															

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	A°.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1012·4	..	..	..	..	..	..	..	..	..	..	85	− 2
1321	ϕIala Guafo	43 34	74 45	140	1003·6	1020·8	+ 6·3	281·4	285·8	5th	277·3	274·1	21st	279·3	*279·4*	− 0·8	100	− 31
1322	Punta Galera	40 1	73 44	40	1018·4	1023·4	+ 6·2	283·1	286·0	31st	278·1	275·6	22nd	280·6	*281·1*	− 1·2	109	−158
1323	Sarmiento	45 30	69 0	274	983·8	1015·5	+ 3·0	283·6	289·1	14th	272·0	264·8	5th	277·8	*277·6*	− 0·7	3	− 7
1324	Puerto Madryn	42 49	W64 58	14	1016·4	1017·8	+ 4·2	287

AUGUST—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·7	1005·5	+ 3·4	278·7	280·4	11th, 14th	275·4	271·8	20th, 21st	277·1	*277·2*	0·0	249	+ 3[illegible]
1422	ϕPuerto de Punta Arenas	53 10	70 54	28	1001·1	1004·6	+ 0·8	279·1	282·7	12th	274·5	271·4	21st	276·8	*277·1*	+ 1·5	15	− [illegible]
1423	Punta Dungeness	52 24	68 26	5	1004·4	1005·0	+ 1·9	..	..	..	273·7	271·9	10th	..	..	..	6	− [illegible]
1424	Santa Cruz	50 11	68 21	12	1007·3	1008·3	+ 2·1	282·8	288·0	14th	272·9	269·5	9th	277·8	*277·6*	+ 1·1	2	..
1424*a*	Año Nuevo	54 39	64 8	50	994·9	1001·1	+ 1·1	278·1	279·8	29th	274·0	270·2	22nd	276·1	*276·0*	+ 0·5	39	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1006·1	..	278·3	282·4	12th	273·1	265·8	1st	275·7	..	..	43	− [illegible]
1426	Cape Pembroke	51 41	57 42	21·3	1003·6	1006·1	+ 1·9	278·7	281·9	11th, 13th	274·0	270·8	22nd	276·4	276·7	+ 0·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1002 0	1002·5	+ 3·2	275·1	286·2	15th	..	..	..	..	*271·6*	+ 0·2	92	− [illegible]

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7 metres.	996·0 mb.	996·9 mb.	+ 1·6 mb.	269·1 °A.	280·2 °A.	13th	260·3 °A.	238·0 °A.	2nd	264·7 °A.	265·7 °A.	+ 2·4 °A.	83 mm.	+ [illegible] mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	8½h.
1	Calm	2·6	SE 3	SSW 1 SW 1	W 1 N 1	E 2 E 2	..	NE 3 NE 3	ESE 1
2	SE	2·7	SE 3	WSW 1 WSW 1	N 1 Calm 0	E 2 E 2	..	NE 3 NE 2	ESE 2
3	SE	1·8	ESE 2	SW 1 SW 1	SE 2 N 1	E 2 E 2	Calm 0	NE 2 NE 2	E 2
4	Calm	3·8	ESE 2	WSW 1 SW 1	S 1 S 1	E 2 E 2	SE 3	NE 3 E 1	ESE 1
5	SE	12·4	E 3	Calm 0 SW 1	N 1 Calm 0	EbyN 2 EbyN 2	SE 2	ENE 1 NE 1	NEbyN 1
6	SE	11·3	E 3	ENE 1 SW 2	N 1 S 1	E 2 E 2	SE 2	NE 1 NE 1	Calm 0
7	SE	8·1	ESE 3	Calm 0 SW 1	N 1 Calm 0	E 2 E 2	SE 6	NE 2 ENE 3	N 1
8	SE	3·4	ESE 3	WSW 1 SSW 3	N 1 NW 2	EbyS 2 EbyS 2	SE 2	ESE 2 E 2	SbyE 1
9	SE	1·4	ESE 4	Calm 0 SSW 1	N 1 W 1	E 2 E 2	SE 4	E 3 E 4	NE 1
10	Calm	2·0	SE 4	SW 1 NNW 1	N 1 Calm 0	E 2 E 2	SE 2	ENE 3 E 3	ESE 1
11	SE	2·3	SE 4	Calm 0 SSW 1	N 1 W 1	EbyS 2 E 1	Calm 0	ESE 4 E 5	Calm 0
12	Calm	1·0	SE 4	Calm 0 SW 1	W 1 Calm 0	EbyS 2 E 1	Calm 0	E 5 E 5	NbyW 1
13	SE	4·6	SE 3	WSW 1 SW 1	SE 1 W 1	E 1 E 1	Calm 0	E 5 ESE 3	NE 1
14	SE	8·5	SE 2	SSW 1 SW 3	NW 1 W 1	E 1 E 1	NE 3	E 6 E 6	EbyN 1
15	SE	4·6	SE 3	Calm 0 SW 1	N 1 W 1	E 1 E 1	SE 1	E 5 ESE 3	NbyW 1
16	SE	4·2	SE 4	WSW 1 SW 1	Calm 0 Calm 0	EbyS 2 E 2	SE 4	E 3 E 1	Calm 0
17	SE	3·7	ESE 3	S 1 SW 2	E 1 W 1	E 2 E 1	..	E 3 NE 1	E 1
18	SE	3·7	ESE 4	WSW 3 WSW 2	S 1 Calm 0	E 2 E 2	SE 6	NE 1 NE 1	ENE 1
19	SE	3·3	ESE 4	Calm 0 Calm 0	N 1 N 2	E 2 EbyS 2	SE 2	E 2 E 3	SEbyE 1
20	Calm	2·4	ESE 6	Calm 0 SSW 3	W 1 Calm 0	EbyS 3 EbyS 2	SE 2	ESE 4 E 3	Calm 0
21	SE	4·7	..	Calm 0 WSW 3	N 1 N 1	EbyS 3 EbyS 2	Calm 0	E 3 E 3	E 1
22	SE	7·0	..	Calm 0 SW 1	W 1 Calm 0	EbyN 3 EbyS 3	Calm 0	E 3 E 4	ENE 1
23	SE	9·2	..	Calm 0 SSW 2	N 2 N 1	E 2 E 1	..	E 4 E 2	SbyE 1
24	SE	10·2	..	Calm 0 SW 1	N 1 S 1	E 2 E 1	..	E 3 E 4	SE 1
25	SE	5·0	..	Calm 0 WSW 2	N 1 S 1	E 2 E 2	..	ESE 5 ESE 5	Calm 0
26	SE	5·9	..	NNE 1 Calm 0	W 1 Calm 0	E 2 EbyS 1	..	ESE 6 ESE 4	SE 1
27	SE	10·8	..	ENE 1 SW 1	NW 1 Calm 0	EbyS 2 EbyS 2	SE 2	ESE 3 ESE 2	SSE 1
28	SE	12·3	..	Calm 0 SW 1	N 1 W 1	EbyS 2 E 1	SE 6	E 4 E 2	SbyE 1
29	SE	12·1	..	SW 1 SSW 1	N 1 Calm 0	E 2 E 1	SE 6	E 2 E 1	SE 1
30	SE	11·3	ESE 4	Calm 0 SW 2	NE 1 Calm 0	EbyS 2 E 1	SE 8	NE 3 NE 2	Calm 0
31	SE	7·1	ESE 4	Calm 0 SSW 2	Calm 0 Calm 0	E 2 EbyN 1	SE 8	NE 2 NE 3	NNE 1
Mean	..	5·9	3·4	0·5 1·4	1·0 0·6	2·0 1·6	3·0	3·1 2·7	1·1
§Resultant	135°(83)	..	120°(93)	225°(54)	325°(32)	90°(100)	130°(74)	80°(89)	100°(9[illegible]
§Normal	141°(89)	8·1	‖123°(79)	259°(43)	250°(21)	‖‖93°(88)	135°(82)	‖105°(61)	103°(9[illegible]

‖ Normal refers to ½ (9 + 21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduc[illegible]

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1924.

‡‡*Arctic Sea.*—The sea from White Island to Dickson Island was free of ice and so were the rivers Jenissey and Obj.

‡‡*Kara Sea.*—At first there was a little scattered drift ice in Kara and Yugor Straits but later they were free of ice as also was Matotschkin Strait. A be[illegible] of alternating scattered and close ice 60 miles wide, extended from the northeast coast of Novaya Zemyla to south of Waigatsch leaving a land wa[illegible] 5–20 miles wide along the east coast of Novaya Zemlya. The area covered was 56×10^3 sq. km. as compared with a normal of 137×10^3 sq. km.

‡‡*Barents Sea* was free of ice far beyond the average position. The ice consisted of impenetrable floes a short way inside the edge which was met with a[illegible] miles south of Cape Flora. From here a close edge trended towards the south-west. The area covered was 195×10^3 sq. km. as compared with [illegible] normal of 320×10^3 sq. km.

‡‡*Spitsbergen.*—Hinlopen Strait and the west and north coasts to North Cape were free of ice. From North Cape to east of Cape Leigh Smith a close edg[illegible] was lying about 20 miles offshore with scattered ice near the land. Close ice was also met with for about 30 miles round King Charles Land, but t[illegible] Sea in Olga Strait and round Edge Land was open. Northeastland was circumnavigated this month.

‡‡*Iceland.*—The coasts of Iceland and Grimsey were free of ice. The normal duration of average ice conditions is 2 days visible.

‡‡*Greenland Sea and Denmark Strait.*—Off Scoresby Sound the belt of open ice was about 50 miles wide, and in the Sound itself the broken ice drifted to and fro. South of this the ice was close and the position of the edge normal, except at Angmagsalik where the ice belt was much broader. A narr[illegible] belt of close ice extended from Cape Wall to Prince Christians Sound. The area covered was 532×10^3 sq. km. as compared with a normal [illegible] 551×10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 16. On the 2nd a fe[illegible] icebergs were observed at Belle Isle. Along the coast of Labrador icebergs were only met with south of 58° N. and they only reached to about [illegible] 10 miles offshore.

‡‡*Davis Strait and Baffin Bay.*—The sea was free of ice from Cape Farewell to Cape Seddon, except for many icebergs. Scattered ice occurred between Frobisher Sound and Cumberland Sound, from Cape Dier to Cape Cooper and in Ponds Inlet. Hudson Strait, Ungava Bay, the northern part of Hudson Bay and the eastern part of Lancaster Sound with neighbouring inlets were free of ice. A belt of ice 15 miles wide occurred in Melv[illegible] Bay. Cumberland Sound was blocked by close ice.

‡‡*Bering Strait, Polar Sea and Beaufort Sea.*—Pack and polar ice lay along the coast from Icy Cape to Martin Point, but from here to Herschel Island the [illegible] was open. From East Cape to Cape Yakan there was heavy ice a little distance offshore. The *Maud* sailed round Kotelnoi and Great Liak[illegible] Islands.

‡‡*Isforholdene i de arktiske Have, 1924*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1924

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **SEPTEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
105	Barrow	71 23	156 17	7·0	..	1015·2	..	270·6	274·1	1, 7, 15	266·3	258·6	27th	268·5	..	− 3·9	10	− 3
125	Upernivik	72 47	56 7	19·2	1005·6	1008·0	− 0·4	276·7	282·6	8th, 9th	..	..	..	..	*274·1*	+ 0·3	15	− 12
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	998·9	1001·7	..	..	282·0	3rd	274·9	272·0	24th	..	*276·3*	..	50	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1002·3	1003·7	− 4·2	..	278·0	12th	272·5	266·9	30th	..	273·9	+ 0·8	14	− 11
140	Björnöen	74 28	19 17	40·5	996·6	1001·6	..	..	281·1	15th	274·4	272·3	6th	..	*276·8*	..	85	..
141	Gjesvaer	71 6	25 22	6·5	1000·4	1001·2	− 6·8	..	284·9	11th	279·4	276·6	4th	..	*281·1*	+ 1·6	68	− 17
142	Mehavn	71 1	27 47	10·2	1000·5	1001·7	− 6·5	..	286·4	10th	278·4	273·9	14th	..	*280·5*	+ 1·0	56	− 27
143	ϕVardö	70 22	31 8	6·8	1001·4	1002·2	− 6·5	..	283·9	10th	278·8	275·8	18th	..	*280·6*	+ 1·4	64	+ 4
147	Malye Karmakouly	72 23	52 43	15·3	1002·6	1004·5	− 4·5	278·3	284·8	12th	274·0	267·6	24th	276·2	*276·4*	+ 1·6	45	+ 5
148	Waigatz	70 24	58 47	11·2	1003·8	1005·2	..	279·3	285·9	12th	275·0	271·6	6th	277·2	*277·0*	..	33	..
153	Dickson	73 30	80 23	13	1003·6	1005·2	..	277·2	282·2	6th	273·4	270·0	30th	275·3	..	..	31	..

Between Latitude 70° N. and 60° N. **SEPTEMBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1004·4	− 2·0	281·5	285·8	3rd	275·6	270·8	8th, 20th	278·6	*278·3*	+ 0·3	63	− 5
204	Candle	65 55	161 57	2·4	..	..	..	280·7	285·8	2nd, 9th	272·6	266·9	19th	276·6	..	− 0·8	..	..
205	Tanana	65 10	152 6	67·1	..	1006·1	− 2·2	282·3	288·0	7th	273·9	267·4	27th	278·1	*277·6*	+ 0·4	24	− 17
206	Rampart	65 30	150 15	114	..	..	..	280·9	287·4	12th	272·4	266·9	30th	276·7	..	− 1·5	19	− 16
207	Valdez	61 7	146 16	7·6	..	..	..	283·8	292·4	8th	?276·3	..	..	?280·1	..	− 0·6	237	+ 22
208	Eagle	64 46	141 12	254	..	1008·1	− 0·7	283·0	288·6	7th, 15th	272·3	260·8	25th	277·7	*277·3*	− 0·9	16	− 16
209	Dawson	64 4	139 29	324	969·6	1008·9	− 1·5	283·0	289·1	5th	272·4	260·2	25th	277·7	..	− 0·9	20	− 18
210	Carcross	60 11	134 34	662	..	..	..	284·0	289·1	5th, 6th	273·0	266·3	2nd	278·5	..	− 1·8	33	+ 8
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	992·9	1009·8	− 1·6	286·7	300·8	13th	275·4	268·0	26th	281·0	..	+ 0·9	29	− 6
213	ϕHay River	60 51	115 20	161	988·8	1008·3	− 2·4	284·9	298·0	13th	277·2	268·0	26th	281·1	..	+ 0·5	74	+ 36
225	Jacobshavn	69 13	51 2	31·6	1003·5	1007·5	+ 0·1	276·2	283·5	8th	271·6	266·0	26th	273·9	*273·9*	− 1·1	42	+ 7
226	Godthaab	64 11	51 43	20·4	1004·2	1006·7	+ 0·8	279·3	284·2	6th	274·7	270·1	28th	277·0	*276·2*	0·0	121	+ 38
227	Ivigtut	61 12	48 10	5·0	1006·8	1007·4	+ 1·9	282·2	286·4	4th	275·5	272·0	30th	278·9	*278·8*	+ 0·8	63	− 90
229	Angmagsalik	65 37	37 33	29·3	1002·4	1006·1	− 1·4	278·2	282·5	1st	271·3	268·1	30th	274·7	*274·3*	− 1·9	41	− 57
231	Stykkisholm	65 5	22 46	25	..	1002·3	− 4·4	281·5	288·0	4th	275·9	271·4	27th	278·7	*278·0*	− 1·8	41	− 28
232	Vestmanno	63 24	20 17	132	..	1000·8	− 5·5	283·1	286·9	6th	277·3	272·3	27th, 28th	280·2	*279·5*	− 1·0	51	− 94
233	Grimsey	66 33	18 1	22·0	..	1001·8	− 6·0	279·2	288·3	3rd	276·2	272·3	27th	277·7	*277·4*	− 1·3	69	+ 35
234	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn	64 41	14 22	18·0	..	1001·1	− 6·3	282·4	288·6	4th	276·9	271·8	25th	279·7	*279·3*	− 0·6	75	− 48
236	Thorshavn	62 3	6 45	26·3	998·0	1001·2	− 8·8	284·2	289·6	4th	279·6	274·3	11th	281·9	*281·8*	− 0·2	112	− 8
237	Lerwick	60 9	W 1 11	18·0	..	1002·8	− 8·6	286·3	290·8	4th, 5th	282·4	276·9	11th	284·4	*284·3*	+ 1·1	103	+ 27
238	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	999·3	1004·6	− 7·1	288·3	295·0	4th	282·6	278·5	27th	285·5	*285·3*	+ 1·4	236	+ 42
239	Aalesund	62 28	6 10	6·3	1002·9	1003·7	− 6·7	..	290·6	1st	282·8	278·9	12th	..	*285·3*	+ 1·5	167	+ 10
240	ϕTrondhjem	63 26	10 25	37·0	999·5	1004·0	− 7·2	287·8	294·2	1st	280·8	277·8	27th	284·3	*284·0*	+ 1·6	116	+ 32
241	Bodö	67 17	14 24	22·3	999·4	1002·1	− 7·4	..	289·6	2nd	281·0	276·1	13th	..	*283·5*	+ 1·8	106	− 7
242	Haparanda	65 50	24 9	9·2	1001·9	1003·0	− 7·5	286·5	294·0	5th	279·7	272·0	29th	283·1	*283·3*	+ 2·6	152	+ 92
242*a*	Helsingfors	60 10	24 57	11·7	1007·5	1008·9	− 4·3	289·0	296·2	5th	283·1	280·7	28th	286·1	*286·0*	+ 2·3	106	+ 42
243	Kuopio	62 55	27 40	233	978·4	1006·2	− 6·4	286·4	292·0	5th	280·3	277·0	13th	283·3	*283·3*	+ 1·5	118	+ 54
244	Kola	68 53	33 1	6·7	1002·4	1003·2	− 6·3	284·2	290·1	11th	277·4	271·4	18th	280·8	*280·8*	+ 1·7	42	+ 5
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1006·4	1007·2	− 4·4	285·7	292·0	1st	279·8	273·3	28th	282·8	*282·5*	+ 1·5	90	+ 35
247	Mezen	65 50	44 16	14·9	1004·7	1006·5	− 3·8	284·7	291·0	1st	277·8	271·0	25th	281·2	*281·0*	+ 1·8	84	+ 35
248	Oust-Tsylma	65 25	52 18	?68	998·3	1006·6	− 4·0	284·1	290·5	2nd	276·9	272·5	8th	280·5	*280·0*	+ 0·5	88	+ 34
249	Tcherdyn	60 24	56 31	?177	986·4	1007·8	− 4·8	285·5	293·0	12th	278·0	272·4	26th	281·8	*281·3*	+ 0·5	69	− 1
250	Berezov	63 56	65 4	39·5	1003·0	1007·9	− 3·1	283·7	293·0	1st	..	..	..	..	*279·3*	0·0	44	+ 2
251	ϕObdorsk	66 31	66 36	35·2	1004·0	1008·3	− 2·0	..	288·9	1st	275·2	270·2	8th	..	*278·1*	+ 0·1	31	− 9
252	New Port	67 42	72 57	4·9	1006·2	1006·8	..	..	287·0	1st	..	..	..	..	*276·3*	..	20	..
253	ϕSourgout	61 15	73 24	?40	1001·9	1006·8	− 5·5	..	291·8	2nd	276·6	271·8	24th	..	*279·8*	− 0·9	110	+ 62
254	Doudinka	69 23	86 4	20·0	1002·3	1004·8	− 4·9	..	286·2	6th	..	264·6	30th	..	*275·5*	− 1·0	58	+ 11
261	Touroukhansk	65 47	87 57	45·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Viliouisk	63 45	121 35	120	..	..	..	..	291·8	11th	274·3	269·5	15th	..	*280·7*	+ 2·5	21	− 6
263	ϕIakoutsk	62 1	129 43	108	997·9	1011·1	− 1·1	..	293·9	1st	275·3	270·9	16th	..	*280·6*	+ 1·5	38	+ 13
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	283·5	286·9	19th	279·4	274·7	30th	281·4	..	..	110	..
302	St. Paul Island	57 15	170 10	21·3	..	1004·0	− 1·9	281·3	283·6	4th	278·2	274·7	29th	279·7	..	− 0·4	153	+ 56
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1005·1	− 2·5	..	..	..	..	..	..	..	‡281·2	..	..	..
304	Port Moller	55 56	160 30	5·5	..	..	..	284·2	287·4	19th	279·8	276·9	30th	282·0	..	..	30	..
305	Dillingham	59 0	158 20	24·4	..	..	..	285·2	288·0	4th	277·8	271·9	21st, 23rd	281·5	..	+ 0·2	148	+ 32
306	Kodiak (Radio)	57 46	152 22	6·1	..	1003·7	− 2·4	285·9	290·8	4th	280·1	276·9	sev. dates	283·0	*282·5*	+ 0·2	84	− 45
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 24	††147 44	§(20)	..	1007·4	−10·2	..	..	284·7|−0·6	..	..	..	..	284·7	− 1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1009·1	− 1·9	287·4	291·9	9th	280·1	272·4	24th	283·7	*283·4*	− 0·3	529	+271
310	Prince Rupert	54 18	130 18	51·8	1006·3	1012·5	− 1·6	289·7	295·2	4th, 12th	280·8	273·6	25th	285·2	*285·1*	+ 0·3	245	+ 31
311	Barkerville	53 2	121 35	1274	867·3	1010·6	− 2·7	285·8	294·7	14th	275·8	267·4	20th	280·8	*280·7*	+ 0·4	105	+ 1
312	ϕKamloops	50 41	120 29	385	969·8	1014·7	− 3·5	295·6	304·5	4th	282·0	274·7	20th	288·8	*288·7*	+ 1·4	22	− 2
313	Calgary	51 2	114 2	1045	892·6	1010·2	− 2·1	293·6	303·0	4th	276·9	269·7	20th	285·2	*284·8*	+ 1·8	32	..
314	Fort Chipewyan	58 42	111 10	218	982·0	1008·3	− 3·6	286·3	296·9	5th	276·3	266·9	26th	281·3	*281·8*	+ 0·9	23	− 15
315	Prince Albert	53 10	105 38	442	960·3	1012·4	− 0·5	292·4	300·8	5th, 6th	277·4	271·9	27th, 28th	284·9	*284·3*	+ 1·9	41	− 5
316	Qu'Appelle	50 30	103 47	645	937·3	1012·4	− 0·1	293·0	302·4	2nd, 23rd	277·4	269·1	25th	285·2	*283·9*	+ 1·3	10	− 36
317	Minnedosa	50 15	99 50	515	953·3	1014·0	+ 0·1	290·4	297·2	2nd	277·6	269·9	29th	284·0	*283·2*	− 0·1	53	+ 6
318	Berens River	52 18	97 23	216	..	..	..	289·1	295·2	2nd, 17th	273·4	266·3	29th	281·3	..	− 3·9	103	+ 15
318a	Port Nelson	57 0	92 51	14·9	1010·3	1012·1	− 0·4	286·3	296·3	18th	278·0	266·9	29th	282·2	..	+ 2·3	45	− 8
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1012·5	1013·6	0·0	288·8	299·7	27th	278·9	272·4	24th	283·9	..	+ 0·1	37	− 56
321	Fort George	53 50	79 5	97·5	..	..	..	286·9	293·6	27th	281·4	275·2	18th	284·1	..	..	67	..
322	Mistassini Post	50 15	73 55	383	..	..	..	287·8	293·8	27th, 28th	277·4	269·1	25th	282·6	..	+ 0·3	136	+ 44
324	Natashquan	50 8	61 48	6·1	..	..	..	289·3	294·1	23rd	278·2	271·9	26th	283·7	..	+ 1·9	38	− 56
										Sea Temp.							
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	285·6|−1·2	..	..	..	..	285·5	..	..	..
331	55°—50° N. 30°—25° W.	††52 33	††27 36	§(36)	..	1004·1	..	..	..	284·3|−0·4	..	..	..	..	283·6	..	..	..
333	53°—48° N. 20°—15° W.	††50 48	††17 19	§(33)	..	1007·5	..	..	..	287·3|−1·3	..	..	..	..	287·0	..	..	..
333a	62°—57° N. 20°—15° W.	††59 26	††17 24	§(61)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1008·2	− 7·4	287·8	291·9	2nd	283·9	279·1	27th	285·9	286·0	− 0·6	199	+ 46
335	Aberdeen	57 10	W 2 6	26·8	..	1005·0	− 8·5	287·2	290·2	1st	280·8	275·8	23rd	284·0	284·2	− 0·2	112	+ 46
336	Greenwich	51 28	0 0	46·3	..	1010·9	− 5·3	291·5	295·2	8th	284·1	276·9	28th	287·8	287·1	+ 0·3	79	+ 31
337	Uccle	50 48	E 4 22	100	1000·8	1012·7	− 3·7	292·4	297·7	7th	283·8	277·2	11th	288·1	287·1	+ 0·3	74	+ 26
338	De Bilt	52 6	5 11	3·0	1011·4	1011·8	− 4·6	291·2	297·7	8th	283·7	277·5	28th	287·5	287·0	+ 0·2	119	+ 69
338a	Hamburg	53 33	9 58	40·3	1007·4	1012·2	− 3·9	290·8	297·9	8th	284·3	279·1	30th	287·5	*287·1*	0·0	79	+ 31
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1010·6	1011·2	− 4·1	290·7	295·0	8th	284·0	278·3	27th	287·3	*287·1*	+ 2·0	31	+ 1
340	Potsdam	52 23	13 4	84·9	1003·7	1013·9	− 2·9	292·2	300·4	8th	283·7	276·9	30th	287·9	287·3	+ 1·2	64	+ 17
340a	Uppsala	59 51	17 38	24	1004·9	1007·8	− 4·9	290·4	298·2	5th	281·2	273·2	29th	285·8	285·5	+ 2·3	98	+ 51
341	Warsaw	52 13	21 3	89·9	1004·6	1015·4	− 2·9	293·4	300·8	22nd	283·6	277·7	12th, 20th	288·5	*288·1*	..	65	..
342	Tartu (Ülikooli)	58 23	26 43	74·5	1002·9	1011·9	− 2·3	290·5	296·0	25th	282·6	279·1	1st	286·5	285·9	+ 2·3	80	+ 31
343	Leningrad	59 56	30 16	4·8	1009·8	1010·4	− 3·2	289·6	295·4	9th	283·3	280·2	1st	286·4	*286·2*	+ 2·6	76	+ 28
344	Kiiv	50 27	30 30	183	997·4	1019·1	+ 1·9	296·4	302·5	10th	285·2	279·5	1st	290·8	*289·9*	+ 3·5	25	− 23
344a	Moscow	55 50	37 33	167	996·4	1016·4	+ 0·4	291·5	299·1	26th	281·8	274·5	25th	286·6	*286·5*	+ 3·6	33	− 15
345	Saratov	51 33	45 57	122	1003·9	1018·5	+ 2·1	294·0	300·2	23rd	282·4	275·8	29th	288·2	*288·3*	+ 2·7	46	− 3
346	Kazan	55 47	49 8	79·9	1006·3	1015·9	− 0·2	292·8	297·7	27th	282·5	274·3	6th	287·6	*286·8*	+ 2·8	34	− 12
347	Orenburg	51 45	55 6	109	1005·1	1018·2	+ 0·4	295·5	304·7	3rd	280·9	274·0	27th	288·2	*287·9*	+ 1·8	14	− 32
348	Perm	58 1	56 16	163	994·2	1013·9	− 0·5	288·1	296·5	12th	279·0	270·3	26th	283·6	*283·1*	+ 1·0	51	− 1
349	Sverdlovsk	56 50	60 38	281	979·5	1013·2	− 1·0	287·5	295·6	3rd	278·1	271·0	29th	282·8	*282·8*	+ 1·0	38	+ 1
350	ϕTobolsk	58 12	68 14	108	998·3	1011·4	− 3·2	287·0	293·2	2nd	277·5	272·0	29th	282·2	*281·6*	− 0·9	63	+ 19
351	Akmolinsk	51 12	71 23	347	..	..	..	290·7	302·1	5th	276·4	267·7	30th	283·6	*283·7*	− 0·5	13	− 3
352	Omsk	55 1	73 19	108	999·6	1012·7	− 3·3	288·6	297·1	21st	277·9	270·7	13th	283·2	*283·1*	− 0·5	28	− 1
353	Barnaoul	53 20	83 48	162	995·4	1015·0	− 2·3	289·2	304·5	6th	277·1	268·3	27th	283·2	*283·0*	− 0·6	44	+ 7
354	Tomsk	56 30	84 58	122	995·5	1010·3	− 5·7	286·8	300·7	26th	278·3	272·2	27th	282·6	*281·6*	− 0·5	52	+ 15
355	Minousinsk	53 43	91 41	248	985·0	1014·7	− 3·1	..	301·9	7th	277·9	268·4	28th	..	*284·5*	+ 1·4	12	− 1
356	Eniseisk	58 27	92 10	77·6	1000·4	1009·9	− 6·0	..	296·9	7th	277·9	271·9	27th	..	*281·2*	− 0·3	66	+ 17
357	Irkutsk	52 16	104 19	467	959·2	1015·1	− 3·1	287·8	295·8	7th	275·1	267·7	2nd, 9th	281·5	281·0	+ 0·1	55	+ 6
358	ϕKirensk	57 47	108 7	278	979·6	1013·2	− 2·9	..	291·4	4th	276·5	271·0	17th	..	*280·3*	+ 0·2	61	+ 12
359	ϕTchita	52 2	113 30	674	931·1	1009·9	− 4·6	..	..	..	274·5	267·8	24th	..	*281·1*	− 0·1	24	− 20
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	965·8	1011·1	− 1·9	289·0	295·5	3rd	273·0	264·4	30th	281·0	*281·1*	+ 1·3	75	+ 1
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	993·1	1010·0	− 2·5	293·1	303·3	5th	280·7	276·0	20th	286·9	*286·2*	+ 1·1	27	− 4
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1007·5	‡1009·1	− 1·1	..	..	..	281·5	279·0	8th	..	*283·4*	+ 1·3	38	− 45

		N. °	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
508	35°—30° N. 145°—140° W.	††32 2	††142 5	§(20)	..	1020·6	− 1·7	..	..	Sea Temp. 295·8|+1·1	..	..	..	..	294·7	+ 0·6	..	..
511	San Francisco	37 48	122 26	47·2	1007·9	1013·5	− 0·6	294·3	304·1	11th	285·5	283·6	24th	289·9	*288·7*	+ 1·4	0	− 8
512	San Luis Obispo	35 18	120 39	61·3	1005·9	1013·2	− 0·9	298·5	310·2	28th	283·3	279·7	30th	290·9	*289·1*	+ 0·4	0	− 7
513	San Diego	32 43	117 10	26·5	1008·2	1011·2	− 1·0	295·6	304·1	29th	288·7	285·2	28th	292·1	*291·7*	− 0·3	0	− 2
514	Modena	37 48	113 54	1670	834·7	1013·2	+ 0·2	299·2	305·2	3rd	278·5	268·0	21st	288·9	*289·1*	+ 0·6	3	− 23
515	Santa Fé	35 41	105 57	2138	790·1	1012·5	− 0·4	296·7	301·9	3rd	280·9	273·6	27th	288·8	*289·0*	− 0·1	16	− 23
516	Denver	39 45	105 0	1613	839·0	1015·2	− 0·2	296·0	305·8	3rd	281·6	274·1	27th	288·8	*289·2*	− 1·1	37	+ 11
517	Abilene	32 23	99 40	530	954·7	1015·2	− 0·1	301·8	308·6	8th	289·1	279·1	30th	295·4	*294·6*	− 1·7	103	+ 38
518	Saint Louis	38 38	90 12	173	997·2	1017·6	+ 0·3	296·3	304·7	21st	286·3	277·4	30th	291·3	*291·1*	− 2·9	50	− 31
519	Mobile	30 41	88 2	17·4	1012·7	1014·9	− 1·1	301·9	306·3	5th	293·3	282·4	30th	297·6	*297·3*	− 0·5	48	− 85
520	Nashville	36 10	86 47	166	998·5	1018·3	0·0	298·1	305·2	21st	287·8	278·6	30th	292·9	*293·1*	− 2·3	67	− 21
521	Charleston	32 47	79 56	14·6	1014·5	1016·2	− 1·3	299·8	305·2	1st	293·5	289·1	30th	296·7	*296·8*	− 0·9	301	+175
522	Washington	38 54	77 3	34·1	1014·6	1018·6	0·0	295·9	307·4	1st	286·0	279·1	11th	290·9	*291·0*	− 2·2	200	+113
524	Bermuda	32 17	64 46	46·0	1013·1	1018·4	+ 1·1	301·1	305·0	1st	295·4	292·6	9th, 29th	298·2	*297·9*	− 1·0	98	− 34
530	Santa Cruz (Flores)	39 27	31 9	40	1017·6	1022·6	+ 0·3	297·1	299·9	20th	292·5	289·7	14th	294·8	*294·8*	+ 0·6	188	+ 82
531	Horta	38 32	28 38	65	1014·4	1022·2	+ 0·7	297·6	300·0	24th	291·7	288·9	14th	294·6	294·1	− 0·1	78	− 8
532	Ponta Delgada	37 44	25 40	22	1018·8	1021·4	+ 0·4	296·2	298·4	1st	291·8	289·5	14th	294·0	293·9	+ 0·1	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	49	− 49
533	Madeira (Funchal)	32 38	16 55	25	‡1017·2	‡1020·2	+ 1·0	297·1	299·1	10th	292·1	290·2	25th	294·6	294·6	− 0·3	11	− 19
535	Lisbon	38 43	9 9	95	1005·8	1018·3	+ 1·4	296·3	302·5	18th	289·4	286·4	24th	292·8	292·4	− 0·8	33	− 3
535a	Melilla	35 17	2 59	40	1012·9	1017·5	+ 1·3	300·3	304·6	23rd	292·0	288·0	26th	296·1	*297·0*	− 1·9	21	− 2
536	Gibraltar	36 6	5 21	16·2	..	1017·0	− 0·5	298·8	303·0	9th	291·7	289·1	21st, 25th	295·3	*294·6*	− 0·2	0	− 35
536a	Colomb-Béchar	31 36	2 4	769	928·2	1011·4	..	308·7	314·2	2nd	294·1	288·2	30th	301·4	*300·9*	..	0	..

*For formulæ employed *see* pages 106 and 107. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* " Remarks " pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·1	1014·5	− 1·9	291·3	300·5	12th	282·7	279·1	25th	287·0	286·0	+ 0·6	57	+ 11
412	Portland, Oregon	45 32	122 41	46·6	1009·9	1015·2	− 1·4	296·2	306·3	12th	284·7	279·1	26th	290·4	*290·2*	+ 1·3	49	+ 2
413	Macleod	49 44	113 24	953	..	..	..	294·5	304·1	5th	278·2	271·3	27th	286·3	*286·1*	+ 1·7	12	− 20
414	Helena	46 34	112 4	1253	873·7	1014·2	− 0·8	294·6	306·3	4th	279·6	273·0	27th	287·1	*287·0*	+ 0·9	29	− 2
414a	Salt Lake City	40 46	111 54	1329	868·0	1014·2	+ 0·3	297·3	309·1	4th	284·7	275·2	27th	291·0	*291·0*	− 0·3	6	− 18
415	Cheyenne	41 8	104 48	1856	814·8	1015·2	− 0·6	292·9	302·4	3rd	278·2	271·3	27th	285·6	*286·0*	− 1·2	60	+ 31
416	North Platte	41 8	100 45	860	918·1	1016·6	+ 0·4	295·8	308·0	3rd	281·8	273·0	29th	288·8	*288·9*	− 1·6	42	+ 7
416a	Bismarck	46 47	100 38	510	955·7	1015·9	+ 0·7	293·9	304·7	3rd	280·2	273·0	27th	287·0	*286·9*	− 0·5	41	+ 9
417	Winnipeg	49 53	97 7	232	986·9	1014·7	+ 1·0	291·9	302·4	2nd	279·1	270·8	29th	285·5	*284·8*	+ 0·4	92	+ 36
418	Duluth	46 47	92 6	345	975·8	1017·3	+ 2·0	289·6	297·4	3rd	279·4	270·8	29th	284·5	*284·3*	− 1·4	100	+ 13
419	Port Arthur	48 27	89 12	196	993·2	1016·8	+ 1·1	288·6	296·9	3rd, 17th	279·7	270·8	30th	284·1	*283·8*	− 0·5	96	+ 12
420	Chicago	41 53	87 37	251	988·4	1018·6	+ 0·7	291·9	305·2	21st	285·5	277·4	30th	288·7	*289·0*	− 3·4	80	+ 1
421	Toronto	43 40	79 24	116	1004·0	1018·0	+ 0·2	291·3	298·1	1st	282·0	276·7	30th	286·7	286·4	− 2·0	107	+ 39
422	ϕNew York (Central Park)	40 47	73 58	47·4	1013·4	1019·0	+ 0·1	295·7	308·0	1st	285·9	280·8	11th	290·8	290·4	− 2·1	91	+ 1
423	St. John, N.B.	45 17	66 4	36·2	1013·7	1018·1	+ 0·6	289·6	293·8	10th	281·9	276·5	26th	285·7	285·6	− 0·6	65	− 30
424	S.W. Point, Anticosti	49 24	63 33	9·1	1015·6	1016·7	+ 3·4	286 3	291·9	11th	281·7	274·9	26th	284·0	*284·2*	+ 1·7	33	− 36
424a	Sable Island (Main Station)	43 57	60 6	7·6	1018·5	1019·4	+ 1·8	289·1	292·4	4th	285·2	282·4	25th	287·2	*286·9*	− 1·1	175	+ 90
425	Port aux Basques	47 35	59 10	9·1	1016·2	1017·3	+ 1·9	288·6	291·1	22nd	282·3	278·3	20th	285·5	*285·5*	+ 1·2	81	− 33
426	St. John's, Newfoundland	47 34	52 42	48·8	1010·7	1016·6	+ 2·0	290·2	298·6	7th	281·9	276·3	23rd	286·1	*286·1*	+ 1·0	102	+ 6
										Sea Temp.							
430	50°—45° N. 35°—30° W.	††47 48	††32 44	§(17)	..	1017·6	..	..	..	289·6|−0·2	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	940·3	1016·1	− 0·1	297·3	307·6	1st	286·7	278·1	26th	292·0	*291·1*	+ 0·4	55	+ 18
436	Nantes	47 15	W 1 34	36·5	1009·2	1013·8	− 3·9	294·0	301·8	19th	283·8	278·5	29th	288·9	288·5	− 0·1	95	+ 41
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·3	1014·7	− 3·1	292·5	297·9	7th	283·1	277·7	29th	287·8	287·7	0·0	66	+ 13
438	Marseille	43 18	5 23	75	..	1015·0	− 1·2	297·7	302·3	8th	286·6	281·2	25th, 29th	292·2	*291·4*	− 0·7	59	− 2
438a	Zürich	47 23	8 33	493	959·2	1016·7	− 1·8	293·5	302·0	9th	283·0	278·6	29th, 30th	288·3	287·2	+ 0·2	41	− 62
439	Rome	41 54	12 27	45·5	1010·7	1016·0	− 0·7	301·3	307·2	10th	290·6	283·8	30th	295·9	*295·4*	+ 1·5	20	− 45
440	Vienna	48 15	16 22	203	991·9	1015·9	− 1·7	292·2	297·3	9th, 24th	285·3	281·2	30th	288·7	288·4	− 0·1	50	0
440a	Budapest	47 31	19 1	130	1000·6	1016·0	− 1·5	297·5	303·3	25th	286·0	282·9	30th	291·7	290·8	+ 1·9	25	− 30
441	Sofia	42 42	23 20	550	953·7	1016·5	− 1·5	298·8	306·0	11th	286·1	282·7	21st	292·5	292·1	+ 2·8	64	+ 11
442	Bucharest	44 25	26 6	82	1007·0	1016·6	− 0·9	300·8	306·2	11th	287·8	284·7	1st	294·3	293·3	+ 2·8	13	− 27
443	Odessa (Observatory)	46 26	30 46	42·8	1012·7	1017·8	− 0·1	296·8	300·5	11th	289·7	283·5	1st	293·3	*292·7*	+ 2·9	37	+ 5
444	ϕKharkiv (University)	50 0	36 14	140	1003·3	1019·9	+ 1·9	296·9	301·7	24th	283·4	278·9	5th, 21st	290·1	*289·6*	+ 2·9	9	− 26
444a	Novorossiisk	44 44	37 49	37·1	1011·6	1015·9	− 0·1	300·2	303·8	14th	290·8	287·6	9th	295·5	*295·3*	+ 3·4	2	− 56
445	Tiflis	41 43	44 48	404	970·0	1016·0	− 0·3	300·7	307·7	2nd	289·5	286·3	28th	295·1	294·6	+ 2·5	36	− 14
446	Astrakhan	46 21	48 2	−20	1020·3	1017·9	0·0	297·4	303·8	3rd	288·0	281·5	30th	292·7	*292·5*	+ 2·5	13	− 1
447	Fort Alexandrovsk	44 31	50 7	−23·0	1020·2	1017·5	+ 0·8	299·2	307·1	3rd	290·2	284·7	28th	294·7	*294·2*	+ 2·4	6	− 9
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1016·2	1015·7	+ 0·4	302·6	309·9	4th	294·6	289·7	28th	298·6	*298·2*	+ 1·7	2	− 3
449	Kasalinsk	45 46	62 7	66·7	1011·1	1019·1	+ 2·6	..	..	..	282·1	274·3	28th	..	*289·2*	− 0·3	15	+ 7
450	Tashkent	41 20	69 18	478	959·6	1014·3	0·0	?301·7	310·5	1st	284·6	276·6	28th	293·2	*292·4*	+ 0·3	2	− 2
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	23	+ 8
452	Alma Ata	43 16	76 53	841	920·4	1015·0	0·0	296·5	306·2	5th	283·9	277·7	29th	290·2	*290·0*	+ 1·2	41	+ 14
461	ϕMoukden	41 48	123 23	43·8	1008·8	1014·0	0·0	298·6	306·9	5th	284·2	278·7	18th, 25th	291·4	290·3	+ 0·8	68	− 12
462	ϕJoshin	40 40	129 11	31·9	1010·4	1014·2	+ 0·5	296·5	299·8	5th	286·6	281·9	27th	291·5	291·4	+ 0·6	5	−112
463	ϕYuki	42 20	130 24	65·6	1006·4	1014·2	+ 0·2	295·2	298·1	9th	284·8	280·1	28th	290·0	290·1	+ 0·5	58	− 48
464	Vladivostok	43 7	131 54	128	998·8	1014·0	− 0·3	293·9	299·2	4th	286·5	282·3	27th	290·2	*289·8*	+ 0·2	62	− 50
465	ϕOchiai	47 20	142 47	27·4	1008·6	1011·9	− 0·8	292·6	300·0	6th	280·6	274·8	21st	286·6	286·5	+ 1·0	95	− 23
466	Nemuro	43 20	145 35	26·7	1010·5	1013·7	− 0·2	292·6	296·3	2nd	285·5	280·5	28th	289·1	288·9	+ 0·8	116	− 25
466a	Syana	45 14	147 53	39·3	1008·8	1013·5	− 0·6	290·5	294·0	2nd	282·9	275·6	17th	286·7	286·9	+ 0·6	111	+ 16

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

		N. °	W. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
508	35°—30° N. 145°—140° W.	††32 2	††142 5	§(20)	..	1020·6	− 1·7	..	..	Sea Temp. 295·8|+1·1	..	..	..	..	294·7	+ 0·6	..	..
511	San Francisco	37 48	122 26	47·2	1007·9	1013·5	− 0·6	294·3	304·1	11th	285·5	283·6	24th	289·9	*288·7*	+ 1·4	0	− 8
512	San Luis Obispo	35 18	120 39	61·3	1005·9	1013·2	− 0·9	298·5	310·2	28th	283·3	279·7	30th	290·9	*289·1*	+ 0·4	0	− 7
513	San Diego	32 43	117 10	26·5	1008·2	1011·2	− 1·0	295·6	304·1	29th	288·7	285·2	28th	292·1	*291·7*	− 0·3	0	− 2
514	Modena	37 48	113 54	1670	834·7	1013·2	+ 0·2

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1012·7	1015·4	− 2·8	300·5	304·0	9th	290·5	285·0	25th	295·5	..	− 0·8	16	− 5
538	Algiers (Bouzaréah)	36 47	3 2	344	976·1	1015·5	− 0·8	298·4	304·6	14th	292·0	290·0	25th	295·2	*294·4*	+ 0·1	27	− 3
538*a*	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1012·7	1015·1	..	304·9	317·1	8th	293·9	288·7	18th	299·4	*298·8*	+ 2·2	3	− 22
539*a*	Malta	35 54	14 31	56·4	..	1016·1	+ 0·2	303·1	311·8	10th	296·4	292·6	30th	299·7	*299·0*	+ 2·3	1	− 4
540	Riposto	37 41	15 14	14·2	..	1018·2	+ 0·4	301·0	307·2	8th	294·4	290·8	29th	297·7	*296·9*	+ 0·5	24	+ 11
541	Athens	37 58	23 43	107	1001·8	1014·1	− 1·0	304·0	309·4	9th	294·4	290·7	19th	299·2	298·7	+ 2·5	33	− 1
542	Alexandria	31 12	29 53	32·0	1009·0	1012·7	− 0·9	304·5	305·7	10th, 14th	297·0	295·0	24th	300·7	*299·8*	+ 1·6	0	− 7
543	Nicosia (P.W.D.)	35 9	33 22	159	992·0	1009·9	− 0·8	307·1	311·9	13th	292·2	289·7	28th	299·6	..	+ 1·7	23	+ 15
544	Beirut	33 54	35 28	33·7	..	1010·8	− 1·1	303·2	304·8	1st, 13th	296·5	294·5	30th	299·8	*299·8*	+ 0·8	0	− 7
545	Hinaidi	33 17	44 29	32·3	..	1005·7	− 0·9	313·9	315·8	19, 21, 27	294·3	292·4	6, 11, 22	304·1	*305·6*	..	0	− 9
546	Lenkoran	38 46	48 52	−20·0	1017·9	1015·6	− 0·4	..	304·5	4th	291·0	287·8	15th	..	*295·7*	+ 1·2	90	− 2
547	Tehran	35 41	51 25	1220	..	..	..	301·9	307·2	5th	290·3	286·4	14th	296·1	*295·9*	− 1·9	0	− 7
548	Meshed	36 16	59 35	946	881·1	..	..	300·8	307·7	2nd	281·2	273·8	30th	291·0	..	− 0·9	0	− 8
549	Seistan	31 0	61 30	610	..	..	..	306·2	312·3	12th	293·4	287·4	30th	299·8	..	..	0	− 1
550	Quetta	30 11	67 3	1677	832·0	..	+ 0·2	302·4	307·2	13th	284·9	275·6	30th	293·7	*293·5*	+ 0·9	1	− 4
551	Peshawar	34 2	71 37	339	969·1	1007·2	+ 0·9	306·3	309·9	1st	294·2	288·2	30th	300·3	*299·7*	− 1·1	69	+ 4
551*a*	Lahore	31 34	74 20	214	982·2	1006·3	+ 1·3	306·7	309·1	26th	296·0	291·4	29th	301·3	*300·7*	− 1·7	50	+ 10
552	Simla	31 7	77 8	2204	781·3	..	+ 0·6	290·3	293·1	12th	286·1	281·3	28th, 29th	288·2	*288·0*	− 1·5	454	+ 17
552*a*	Leh	34 10	77 42	3503	667·6	..	+ 0·3	292·7	297·3	8th	278·7	273·9	30th	285·7	*284·5*	− 0·6	19	− 9
559	ϕHankow	30 35	114 17	37·0	1009·0	1013·3	0·0	303·0	306·3	12th	294·2	288·7	23rd	298·6	*298·2*	+ 1·3	8	− 9
560	ϕTientsin	39 10	117 10	5·0	1013·8	1014·4	− 0·5	299·6	305·0	3rd	290·4	284·0	17th	295·0	*294·8*	+ 1·0	27	− 1
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1012·3	+ 0·1	301·4	307·0	9th	292·7	287·9	24th	297·1	295·9	+ 0·1	197	+ 7
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1006·1	1014·0	+ 1·2	299·3	304·4	4th	289·6	284·6	25th	294·4	293·8	+ 0·5	51	+ 6
562*a*	Nagasaki	32 44	129 52	133	996·7	1012·0	+ 0·6	299·7	304·9	5th	292·3	288·1	25th	296·0	295·7	− 0·8	311	+ 6
563	Kyoto	35 1	135 44	42·9	1007·9	1012·9	+ 0·9	300·7	306·6	3rd	290·1	282·6	28th	295·4	294·6	− 0·6	155	+ 14
564	Tokyo	35 41	139 46	5·8	1012·5	1013·2	0·0	298·9	304·5	9th	291·2	285·7	28th	295·1	294·8	− 0·1	363	+ 14
565	Kanayama	37 53	140 46	24·6	1010·9	1013·8	+ 0·1	297·7	306·1	9th	288·2	280·0	28th	292·9	292·3	− 0·1	395	+ 5
566	Miyako	39 38	141 59	30·4	1009·9	1013·5	0·0	296·8	301·3	8th	287·4	281·4	28th	292·1	291·5	+ 0·1	251	+ 3
		N.	E.															

SEPTEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·3	+ 1·2	303·9	305·2	22nd	294·3	291·9	19th	299·1	*298·5*	..	100	..
605	Honolulu	21 19	157 52	11·6	1015·7	1017·0	+ 1·3	301·0	301·9	..	296·2	295·2	..	298·6	*298·4*	0·0	9	− 9
614	La Paz	24 10	110 20	12	1006·7	1008·0	..	304·9	308·6	3rd	296·3	292·2	20th	300·6	*300·0*	..	16	..
615	Chihuahua	28 38	106 4	1423	..	860·1	1010·8	..	299·8	304·0	16th	287·1	279·0	30th	293·4	*295·1*	− 0·6	47
616	Leon	21 7	101 41	1809	..	822·8	1011·3	+ 0·9	298·8	303·5	19th	286·5	279·3	30th	292·6	*292·2*	− 0·4	42
616*a*	Monterry	25 40	100 18	528	..	953·6	1012·5	+ 0·2	302·6	307·0	19th	293·6	287·0	29th	298·1	*297·1*	− 0·7	169
617	Tulancingo	20 5	98 22	2181	..	789·7	1008·0	..	293·9	299·1	19th	284·9	277·2	30th	289·4	*288·1*	− 1·2	163
618	Galveston	29 18	94 50	16·5	1012·7	1014·9	− 0·6	302·8	305·2	9th	296·7	289·1	30th	299·8	*299·4*	+ 0·4	1	− 7
618*a*	New Orleans	29 57	90 4	16·2	..	..	1014·2	− 1·0	303·5	306·3	8th	295·2	286·3	30th	299·3	*298·6*	− 0·1	66
619	Merida, Yuc	20 58	89 38	22	..	1008·7	1011·2	− 2·4	303·9	305·4	3rd	296·6	295·4	7th	300·2	*299·3*	− 0·1	313
620	Havana	23 8	82 21	24·3	..	..	1013·1	− 0·8	304·6	306·5	20th	296·9	295·8	23rd	300·7	*299·7*	0·0	158
620*a*	Key West	24 33	81 48	6·7	1012·0	1012·8	− 1·2	304·3	306·3	4th	298·3	295·8	26th	301·3	*300·9*	+ 0·3	130
621	Nassau, Bahamas	25 5	77 21	7·3	..	1014·5	+ 0·1	304·7	..	..	298·0	..	..	301·3	*301·5*	+ 0·6	141
622	Watling Island	24 6	74 26	33·5	..	1013·1	− 1·4	..	305	5th, 6th	..	297	8th	..	*300·3*	..	..	..
633	Port Etienne	20 56	17 3	4	1011·1	1011·5	..	305·6	312·5	23rd	295·2	293·0	1, 5, 14	300·4	*298·2*	..	20	..
634*m*	Izaña	28 19	16 30	2367	771·9	..	..	292·4	297·0	14th	280·7	274·3	25th	286·6	*286·1*	− 0·2	10	+ 1
634	La Laguna	28 28	16 20	547	954·9	1017·3	+ 0·6	297·4	301·8	10th	288·5	283·4	7th	293·0	*292·4*	− 0·8	21	+ 1
636	Adrar	27 36	W 0 4	168	..	..	..	317·3	321·8	5th	296·1	292·8	24th	306·7	309·0	..	0	− 9
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	−23	1015·0	1012·3	..	..	..	..	..	..	..	..	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	998·3	1011·5	− 0·7	306·3	309·7	8th	293·5	291·6	30th	299·9	*299·8*	+ 1·2	0	− 1
643*a*	Aswan	24 2	32 53	99·6	997·5	1008·7	+ 0·2	313·2	316·0	8th	296·5	293·5	4th, 28th	304·8	*304·8*	+ 1·4	..	..
644	Tor	28 14	33 37	1·9	1008·4	1008·6	+ 0·1	305·6	312·2	11th	295·3	291·1	29th	300·4	*300·5*	+ 1·0	0	− 1
647	Bushire	28 59	50 53	4·3	1004·9	1005·5	− 0·2	306·8	308·1	1st	299·2	296·8	22nd	303·0	*302·5*	− 0·3	0	..
648	Jask	25 44	57 47	4·0	1005·6	1006·0	− 0·1	309·2	313·6	24th	301·1	297·6	26th	305·1	*304·6*	+ 1·5	0	..
649	Karachi	24 53	66 57	4·0	1005·9	1006·4	− 0·4	303·5	309·3	28th	298·2	296·4	2nd	300·9	*300·4*	+ 0·7	3	..
650	Jacobabad	28 17	68 29	56·7	999·0	1005·3	+ 0·9	310·8	313·3	12th, 26th	299·3	294·3	30th	305·1	*304·5*	− 0·1	31	..
651	Jaipur	26 56	75 52	436	958·5	1007·0	+ 0·4	303·3	307·7	22nd	295·9	291·2	30th	299·6	*298·6*	− 2·4	420	..
652	Nagpur	21 8	79 5	310	972·7	1007·3	+ 0·8	303·9	306·1	24th	296·4	295·1	30th	300·2	*299·5*	− 0·2	244	..
653	Allahabad	25 25	81 51	94·2	996·2	1006·4	+ 1·5	305·4	307·5	30th	298·4	296·9	6th	301·9	*301·2*	− 0·2	168	..
653*a*	Darjeeling	27 3	88 18	2265	777·3	..	+ 1·1	290·3	295·3	11th	286·4	285·2	4th	288·3	*288·1*	− 0·5	505	..
654	Calcutta	22 36	88 23	6·4	1006·6	1007·4	+ 1·7	304·2	306·1	3rd	298·9	297·6	7th	301·5	*301·4*	+ 0·3	250	..
655	Gauhati	26 8	91 41	59·7	1002·0	1009·0	+ 1·3	303·8	306·2	11th	297·5	296·3	11th	300·7	*299·8*	− 0·6	260	..
655*m*	Cherrapunji	25 15	91 42	1313	868·9	..	+ 1·8	295·3	298·8	30th	290·4	288·8	25th	292·8	*292·2*	− 0·7	1500	..
655*a*	Akyab	20 11	92 56	6·1	1008·5	1009·2	+ 1·6	304·2	307·5	2nd	298·3	297·2	3rd	301·3	*301·2*	+ 0·5	467	..
656	Mandalay	21 59	96 0	76·2	1001·4	1009·9	+ 1·7	308·6	312·4	1st, 2nd	298·7	297·4	4th	303·7	*302·9*	+ 1·3	23	..
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	296·3	299·7	9th	288·6	286·9	3rd	292·5	*291·7*	− 0·2	170	..
657	Phu Lien	20 48	106 38	116	996·3	1009·5	+ 1·6	305·5	309·0	9th	297·9	295·0	17th	301·7	301·0	+ 1·2	60	..
658	Moncay	21 31	107 51	9·0	1008·5	1009·6	+ 1·8	306·0	310·1	9th	297·5	294·1	25th	301·7	*301·9*	+ 1·0	170	..
659	Hongkong	22 18	114 10	33·2	..	1009·1	+ 0·7	303·4	307·0	7th	298·9	296·5	21st	301·2	300·9	+ 1·0	164	..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1008·6	1009·6	+ 0·5	303·9	307·7	8th	295·5	293·2	17th	299·7	299·0	− 0·1	364	..
661*a*	Basco	20 28	121 59	18·7	..	1007·9	+ 1·6	..	..	..	298·4	294·9	22nd	..	*300·8*	+ 0·2	104	..
662	Naha	26 13	127 41	8·2	1009·5	1010·7	+ 1·8	301·8	304·3	2nd	295·7	291·4	20th	298·8	298·5	− 1·1	269	..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1013·1	1013·5	+ 1·8	303·3	304·5	22nd	297·3	294·5	21st	300·3	299·8	+ 0·1	35	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	954·4	1010·0	..	302·1	306·0	30th	293·7	292·3	12th	297·9	*296·8*	− 0·3	238	..
716	Morelia	19 42	101 7	1923	..	..	..	293·7	295·8	2nd	287·2	282·5	30th	290·4	*289·6*	− 0·6	255	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·1	..	− 0·8	294·3	298·4	19th	283·9	276·5	30th	289·1	287·8	− 0·7	145	+ 42
718	Salina Cruz	16 12	95 12	56	1003·7	1010·1	− 1·6	301·2	303·5	24th	295·9	294·2	15th	298·5	*298·7*	− 1·5	363	+253
719	San Salvador	13 42	89 12	682	936·0	1011·6	− 0·1	303·5	307·0	21st	291·6	289·4	20th	297·5	*295·5*	− 0·6	281	− 12
720	Belize	17 29	88 12	5·2	1009·7	1010·2	− 1·5	303·9	306·1	4th	295·7	293·0	6, 9, 24	299·8	*299·3*	− 1·1	213	+ 12
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1011·8	0·0	303·1	305·5	2nd	295·8	293·9	20th	299·4	*299·1*	− 0·5	294	+118
722	Port au Prince	18 33	72 20	37·4	1008·8	1013·1	− 0·1	305·6	307·4	19th	295·6	294·0	19th, 23rd	300·6	*300·3*	+ 0·3	100	− 85
723	Caracas	10 30	66 56	1042	899·8	1013·9	+ 1·0	298·3	301·0	1st, 3rd	288·9	286·9	26th	293·6	*293·0*	− 0·3	238	+135
723*a*	Montserrat	16 41	62 9	39·6	1009·1	1013·6	− 0·1	303·4	305·2	21st, 23rd	296·8	293·6	22nd	300·1	*299·6*	− 0·4	121	− 44
724	San Juan, Porto Rico	18 29	66 7	25·0	1010·8	1013·5	− 0·4	302·6	305·8	3rd	296·9	295·8	23rd	299·7	*299·3*	− 0·2	145	− 28
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·7	‡1012·5	+ 0·3	302·7	304·7	8th	297·1	295·2	13th	299·9	*299·3*	+ 0·1	128	− 76
725	ϕBarbados	13 8	59 36	55·2	..	1013·3	+ 0·4	302·3	304·0	29th	..	..	..	..	*299·1*	− 0·4	129	− 68
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·1	1013·4	+ 0·3	301·1	303·2	11th	295·2	293·5	7th	298·2	*299·0*	0·0	27	− 21
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	301·9	303·0	3rd	297·6	296·8	20th	299·8	*299·8*	− 0·1	102	+ 2
733	Dakar	14 40	17 26	32	1008·1	1011·7	..	304·5	307·0	15th	298·0	296·0	4th	301·3	*300·6*	+ 0·2	199	+ 79
734	Bathurst	13 27	16 34	1·8	1013·7	1014·0	+ 0·8	303·7	306·3	9th	294·1	293·0	28th	298·9	*299·3*	− 0·7	304	+ 49
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	306·9	..	..	295·2	..	..	..	..	291	+ 65
735	Niénébalé	12 57	7 26	300	..	..	..	302·8	305·6	10th	293·9	291·8	12th	298·3	*297·9*	..	291	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	74	+ 37
737	Sokoto	13 2	E 5 14	353	..	..	..	306·1	308·6	28th	294·8	292·4	7th	300·4	*299·6*	+ 0·1	192	+ 73
738	ϕKaduna Capital	10 32	7 25	637	946·1	1017·9	+ 1·8	301·7	304·1	30th	293·5	292·4	3, 10, 27	297·6	*296·9*	+ 0·4	235	− 50
739	Hadejia	12 40	10 5	?	..	..	..	306·4	309·1	19th, 28th	293·4	290·8	23rd	299·9	*299·1*	− 0·7	105	+ 33
740	Maiduguri	11 47	13 11	361	..	..	..	305·3	309·7	29th	295·2	293·0	6th, 15th	300·3	*299·6*	− 0·7	100	− 3
741	El Fasher	13 32	25 18	730	..	..	..	306·7	310·5	22nd	292·9	290·5	28th	299·8	*298·6*	..	45	..
743	El Obeid	13 11	30 14	569	946·7	1010·0	+ 0·9	..	..	..	294·5	292·0	8th	..	*300·0*	+ 0·3	104	+ 17
743*a*	Khartoum	15 37	32 33	390	965·2	1008·2	+ 0·2	310·9	314·8	16th	297·8	295·1	5th	304·3	*304·0*	− 0·8	23	+ 5
744	Port Sudan	19 37	37 13	5·5	1006·2	1006·8	− 0·5	310·7	314·6	11th	301·2	299·2	30th	306·0	*305·0*	+ 0·7	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1005·9	1007·1	− 0·6	312·2	317·4	18th	300·9	298·6	27th, 30th	306·5	*306·3*	− 0·1	3	+ 2
746	Aden	12 45	45 3	28·7	1004·8	1008·1	+ 0·3	306·7	310·6	19th	300·9	298·6	30th	303·8	*303·4*	− 0·3	0	− 4
751	Bombay	18 54	72 49	11·3	1007·2	1008·5	− 0·9	302·6	304·6	27th	297·9	296·6	28th	300·3	299·6	+ 0·1	308	+ 41
752	Kodaikanal	10 14	77 28	2343	770·0	..	− 0·3	291·1	292·8	15th	284·1	283·2	21st, 30th	287·6	*286·8*	+ 0·4	273	+ 89
752*a*	Bangalore	12 59	77 38	921	909·2	1009·4	− 0·1	300·9	304·1	17th	292·2	290·2	28th	296·5	*295·6*	+ 0·4	169	− 8
753	Madras	13 4	80 14	6·7	1007·5	1008·3	+ 0·1	305·5	310·3	18th	297·7	295·9	1st	301·6	*300·9*	− 0·9	246	+119
754	Vizagapatam	17 42	83 19	11·6	1005·7	1007·1	+ 1·1	303·9	306·7	18th	298·4	296·8	9th	301·1	*300·5*	− 0·8	450	+284
755	Port Blair	11 40	92 40	18·0	1007·7	1009·8	+ 0·4	302·3	303·8	14th	297·8	296·2	1st	300·1	*299·5*	0·0	251	−208
756	Rangoon	16 46	95 48	5·5	1010·0	1010·7	+ 1·6	303·9	306·3	24th	297·6	296·2	20th	300·8	*299·9*	+ 0·6	430	+ 42
757	Saigon (Cap St. Jacques)	10 20	107 5	180	989·0	1009·5	+ 2·0	302·9	305·2	14th, 17th	296·4	294·6	18th	299·6	*299·1*	+ 0·1	140	− 44
758	Nhatrang	12 15	109 12	3·6	1008·3	1008·7	+ 2·0	304·5	309·4	8th	296·6	295·7	15th	300·5	*300·0*	− 0·4	203	+ 25
759	Bolinao	16 23	119 53	7·1	..	1008·0	+ 2·0	305·3	307·4	23rd	296·9	294·5	9th	301·1	*300·7*	+ 0·8	271	−281
761	Vigan	17 34	120 23	12·2	..	1008·2	+ 1·3	304·9	306·5	27th	297·3	295·3	2nd	301·1	300·8	+ 0·9	120	−381
761*a*	Manila	14 35	120 59	14·2	..	1009·2	+ 2·0	304·8	306·5	29th	296·5	295·3	21st	300·7	299·8	0·0	119	−244
762	Ormoc	11 0	124 36	5·6	..	1008·3	+ 1·0	305·7	307·1	19th	296·0	294·8	27th	300·9	*300·0*	+ 0·4	234	− 46
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1008·0	+ 0·8	303·2	305·2	18th	297·8	296·3	23rd, 24th	300·5	*300·2*	+ 0·1	198	−202
		N.	E.															

Between Latitude 10° N. and 0°. SEPTEMBER—ZONE 8.

		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1012·6	1013·2	..	305·1	306·7	27th	297·8	296·6	16th	301·5	*301·0*	+ 0·5	11	− 78
821	Colon	9 23	79 23	11·0	..	1011·0	+ 0·4	304·4	306·3	16th	296·8	295·2	20th	300·6	*300·1*	+ 0·9	229	− 89
822	Bogota	4 36	74 5	2645	745·8	..	..	290·5	293·9	27th	282·6	280·7	17th	286·5	*286·0*	..	199	+138
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·4	..	0·0	297·2	299·6	1st	288·3	287·0	8th	292·7	*291·4*	− 0·4	162	+ 4
823	Ciudad Bolivar	8 9	63 33	38	1007·1	1011·4	..	303·9	305·7	5th	296·4	294·7	3rd	300·2	*299·7*	..	128	+ 36
824	El Peru, Guayanavieja	7 19	61 49	220	985·9	1010·9	+ 0·8	302·3	304·1	1st	293·4	291·8	11th	297·8	*297·2*	− 1·1	183	+ 69
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·6	+ 0·3	303·5	304·1	1, 5, 15	297·2	295·2	18th	300·3	*300·1*	− 0·6	163	+ 82
826	Paramaribo	5 49	55 9	3·7	‡1012·2	‡1012·6	− 0·3	305·5	306·7	21st	294·9	293·7	28th	300·2	*300·2*	− 0·3	104	+ 31
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·8	308·0	11th	294·8	291·0	25th	299·8	*299·3*	− 1·3	34	+ 3
831	10°—5° N. 30°—25° W.	††7 6	††27 5	§(101–104)	..	1013·6	+ 0·6	..	..	Sea Temp.	299·5	−0·3	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	1011·2	1013·0	+ 1·0	301·1	302·5	8th	294·1	293·0	sev. dates	297·6	*297·1*	− 1·1	1129	+339
834	Freetown, Sierra Leone	8 29	13 14	68·3	1005·6	1013·5	+ 1·3	301·2	303·6	30th	294·2	293·0	8, 11, 12	297·7	*296·9*	− 1·5	827	+104
835	Assuantsi	5 18	1 15	101	..	..	..	300·8	301·9	sev. dates	293·9	290·2	4th	297·3	*296·8*	..	79	− 5
837	Accra	5 33	W 0 12	27·0	1009·8	1012·9	..	300·7	303·6	25th	295·0	294·1	sev. dates	297·8	*297·4*	+ 0·2	56	+ 26
838	Lagos	6 27	E 3 24	4·6	1011·4	1011·8	− 0·4	302·2	303·0	17th	296·5	295·2	25th, 26th	299·3	*298·6*	+ 0·4	104	− 38
839	Zungeru	9 48	6 10	130	..	..	..	303·6	309·7	8th	..	..	..	..	‡*298·0*	..	387	+125
841	Yola	9 12	12 30	259	..	..	..	303·8	305·8	19th	..	..	..	..	‡*298·5*	− 0·2	177	− 27
843	Wau	7 42	28 3	440	..	..	..	305·4	307·0	sev. dates	292·9	291·0	14th	299·2	‡*297·7*	− 0·5	230	+ 68
843*a*	Malakal (Kodok)	9 35	31 37	394	..	..	..	305·8	309·2	26th	294·5	292·2	22nd	300·2	*300·2*	+ 1·9	45	− 93
844	ϕMongalla	5 11	31 47	439	959·9	1008·6	− 0·4	‡304·9	‡307·4	28th	293·2	292·0	24th	‡299·0	‡*297·5*	− 0·6	87	− 37
851	ϕEntebbe	0 5	32 29	1171	884·3

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	5	− 12
924	ϕManaos	3 8	60 1	43·8	1005·6	1010·6	..	305·9	308·2	13th	296·2	293·0	19th	301·0	*300·0*	− 0·3	69	+ 45
926	Taperinha	2 30	54 20	20·0	1009·7	1012·0	+ 0·4	306·3	308·5	8th	295·2	293·9	23rd	300·8	*299·6*	+ 0·7	32	+ 8
927	Turyassu	1 43	45 26	9·1	1011·3	1012·4	+ 0·5	305·0	306·0	12th	295·7	294·6	8th	300·4	*299·4*	− 0·1	18	− 5
928	Barra do Corda	5 30	45 16	81·0	1001·3	1010·7	+ 0·1	307·0	309·0	30th	293·2	288·6	3rd, 13th	300·1	*298·8*	− 0·8	4	− 5
929	Quixeramobim	5 16	39 15	207	990·5	1013·8	+ 0·9	304·6	305·8	20th	296·8	295·8	3rd	300·7	*300·3*	− 0·5	1	+ 20
930	Fernando Noronha	3 50	32 25	106	1002·2	1014·2	+ 0·1	299·7	300·6	19th	296·8	294·8	5th	298·2	*298·0*	− 0·1	42	+ 6
										Sea Temp.								
930*a*	5°—10° S. 35°—30° W.	††7 11	††33 10	§(62–73)	..	1012·7	..	..	..	298·5 | +0·1	..	..	..	..	..	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 49	††31 27	§(34–45)	..	1010·1	..	..	..	299·0 | +0·3	..	..	..	..	..	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1014·7	1016·5	+ 0·6	300·1	301·9	13th, 29th	294·4	292·4	26th	297·3	*296·5*	− 0·5	10	+ 2
939	ϕLoanda	8 49	E 13 13	51	..	1014·2	− 0·1	297·9	299·3	19th	292·5	290·4	9th	295·2	294·7	+ 0·4	0	− 7
940	Brazzaville	4 17	15 16	321	977·8	1014·1	+ 0·9	303·8	308·0	17th	293·0	290·5	5th	298·4	*297·7*	− 0·2	22	− 3
943	ϕMasaka	0 21	31 47	?1280	..	..	..	299·9	301·9	11th, 27th	287·4	284·7	28th	293·7	*293·3*	+ 0·9	83	+ 51
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	10	+ 5
944*a*	Zanzibar	6 10	39 11	21·9	1016·0	1018·5	+ 0·3	300·8	302·2	30th	296·0	295·1	19th	298·4	*297·4*	− 0·2	86	+ 59
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	296·3	294·7	17th	..	..	..	44	+ 5
947	Seychelles, Port Office	4 37	55 27	4·6	1012·2	1012·9	− 0·4	300·5	302·0	16th	298·2	296·0	9th	299·3	*298·6*	+ 0·3	203	+ 97
957	Padang	0 56	100 22	6·7	..	1010·9	+ 0·2	..	..	..	..	..	..	..	..	..	407	+ 41
958	Batavia	6 11	106 50	8·0	1009·7	1010·6	+ 0·1	304·7	305·9	19th	296·7	295·4	8th	300·7	300·4	+ 0·9	32	+ 5
958*a*	Pontianak	0 1	109 20	2·6	..	1010·9	+ 1·2	..	..	..	..	..	..	..	..	..	433	+ 36
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 8
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	0	− 8
962	Amboina	3 42	128 10	4·2	..	1009·8	− 0·9	..	..	..	..	..	..	..	..	..	395	+ 19
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	60	− 2
965	ϕDaru	9 4	143 13	7·6	..	1010·2	− 1·9	301·3	..	..	297·2	..	..	299·3	*298·9*	+ 0·6	43	− 3
966	Port Moresby	9 29	147 9	39·0	..	1011·9	+ 0·1	301·9	..	..	296·8	..	..	299·3	*298·9*	+ 0·5	5	− 33
967	Rabaul	4 9	152 12	20·7	..	1009·6	..	306·4	308·3	1st	295·6	293·6	3rd	301·0	*300·3*	+ 0·3	138	+ 71
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	303·4	305·2	6th	297·6	296·3	4th, 5th	300·5	*300·3*	+ 0·3	183	− 26
970	Ocean Island	0 52	169 35	54·0	1005·1	1011·2	+ 0·5	304·4	305·8	22nd	298·6	296·9	11th, 18th	301·5	*300·8*	+ 0·7	8	− 15
		S.	E.															

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1013·1	+ 0·9	302·3	304·6	11th	296·0	293·5	26th	299·2	299·0	+ 0·3	97	+ 3
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	301·9	305·8	11th	292·6	290·2	1, 23, 26	297·2	*297·0*	+ 0·4	236	+ 92
1021	Arequipa	16 22	71 33	2452	762·4	..	+ 1·2	292·9	294·2	20th	282·5	277·4	11th	287·7	*287·2*	0·0	0	− 6
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	..	..	..	..	*287·1*	..	6	− 1
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	999·4	1012·4	+ 1·9	303·6	311·2	24th	291·8	285·8	14th, 29th	297·7	*297·7*	− 0·7	38	− 1
1026	Cuyaba	15 36	56 6	165	993·0	1011·7	+ 1·4	307·1	312·2	12th	292·1	287·4	15th	299·6	*298·8*	− 1·2	19	− 1
1027	Bello Horizonte	19 55	43 57	895	917·1	1015·9	+ 0·7	301·0	305·6	25th, 26th	288·4	285·4	3rd	294·7	*293·8*	+ 0·7	22	− 2
1028	Caetite	14 3	42 37	897	917·3	1016·7	+ 1·0	300·4	304·3	28th	288·5	285·9	1st	294·4	*294·2*	− 0·9	0	− 3
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·6	1017·1	+ 1·2	299·5	301·1	26th	294·4	293·2	15th	297·0	*296·8*	+ 0·2	67	+ 29
1030	Aracaju	10 55	37 3	6·1	1017·1	1017·9	+ 1·4	299·7	300·5	25th, 28th	294·5	291·3	12th	297·1	*297·1*	− 1·2	57	+ 19
										Sea Temp.							
1030*a*	15°—20° S. 40°—35° W.	††7 18	††38 48	§(64–87)	..	1015·1	..	..	..	296·6 | −0·2	..	..	..	..	..	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††12 37	††36 15	§(55–72)	..	1014·5	..	..	..	297·6 | −0·2	..	..	..	..	297·4	..	..	..
1035	St. Helena	15 57	W 5 40	604	947·0	1016·3	+ 0·3	292·2	294·7	10th	285·5	283·8	18th	288·8	*288·6*	+ 1·4	59	+ 19
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	297·0	2nd	..	283·5	30th	..	*290·4*	..	0	− 7
1041	Livingstone	17 51	25 51	972	906·7	1011·9	..	306·5	311·9	28th	288·5	286·5	5th	297·5	..	..	0	− 3
1041*a*	Elisabethville	11 39	27 28	1236	879·1	1012·3	+ 2·0	304·7	308·0	28th	283·3	280·0	5th	294·0	..	− 0·5	0	− 3
1042	Gwelo	19 28	29 48	1417	..	..	..	302·7	307·4	16th, 30th	283·4	276·9	2nd, 4th	293·1	..	+ 1·2	0	− 3
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	855·0	1011·8	− 1·0	300·6	305·2	15th	284·1	275·7	5th	292·3	291·6	+ 0·2	0	− 3
1044	Zomba	15 23	35 18	955	909·4	1014·5	− 0·2	301·2	304·7	14th, 15th	287·9	280·8	5th	294·5	*294·1*	+ 0·7	0	− 3
1044*a*	Mossuril	14 57	40 40	15	..	1017·6	..	301·6	305·1	27th	290·1	287·5	14th	295·8	295·9	..	9	+ 6
1045	Antananarivo	18 55	47 33	1375	868·1	1018·1	+ 0·5	297·1	302·1	28th	282·7	280·7	6, 18, 24	289·9	289·2	+ 0·1	1	− 5
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	71	+ 29
1047	Vohémar	13 21	50 1	3	..	1005·9	..	302·1	305·0	..	292·1	291·0	..	297·1	*296·5*	..	129	+ 87
1048	Antalaha	14 58	50 19	3	..	1015·6	..	..	..	..	..	..	..	..	..	..	91	+ 49
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1014·9	1015·5	+ 0·6	301·1	303·8	23rd	297·2	295·1	29th	299·1	*298·8*	− 0·1	81	+ 39
1057	Christmas Island	10 25	105 43	5·5	1010·0	1010·6	+ 0·1	303·8	305·2	24, 25, 26	295·9	294·1	28th, 29th	299·8	*299·2*	+ 0·1	21	− 16
1061	Kupang	10 10	123 34	45·1	..	1011·9	+ 0·3	305·9	307·9	17th	295·4	292·6	1st	300·7	300·2	+ 0·8	1	− 35
1061*a*	Derby	17 18	123 40	16·2	1011·1	1013·2	+ 0·1	307·5	313·0	29th	293·5	288·4	1st	300·5	..	+ 1·1	0	− 36
1062	Hall's Creek	18 13	127 46	373	970·8	1011·9	− 1·4	308·3	312·0	25th	290·2	282·6	1st	299·2	*298·7*	+ 1·8	0	− 36
1063	Darwin	12 28	130 51	29·6	1009·0	1012·5	+ 1·0	306·1	309·1	7th	296·9	294·2	1st	301·5	*300·4*	+ 0·4	1	− 35
1064	Daly Waters	16 16	133 23	211	987·2	1010·8	− 1·0	309·1	313·0	25th	291·9	286·3	8th	300·5	*300·0*	+ 0·9	0	− 36
1065	Mein	13 13	142 47	122	997·6	1011·5	− 0·1	304·7	308·8	26th	292·0	287·9	12th	298·3	*297·5*	− 0·3	2	− 34
1066	ϕGeorgetown, Queensland	18 22	143 32	302	980·9	1014·9	+ 0·8	304·7	309·1	16th	290·9	286·3	30th	297·8	..	+ 0·3	1	− 35
1066*a*	Willis Island	16 18	149 59	8·5	1014·1	1015·1	..	300·1	302·2	29th	295·6	293·6	20th, 21st	297·8	*297·4*	..	15	− 21
1067	Samarai	10 37	150 40	15·2	..	1012·7	+ 0·6	301·2	..	..	296·0	..	..	298·6	*298·4*	+ 0·2	210	+ 174
1072	ϕSuva, Fiji	18 8	178 26	6·1	1015·9	1016·6	+ 0·9	298·4	301·3	1st	293·4	291·1	25th	295·9	*295·7*	− 0·7	428	+ 386
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	299·0	300·8	10th	293·6	290·8	15th	296·3	*296·1*	+ 1·4	189	+ 62
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·6	1018·9	+ 1·2	288·1	290·6	29th	283·5	281·0	14th	285·8	*285·6*	− 0·1	1	− 3
1122	Iquique	20 12	70 11	9	1017·2	1018·3	+ 1·9	290·6	293·5	28th	284·7	282·1	12th	287·7	*288·4*	− 0·8	0	0
1123	Catamarca	28 27	65 47	510	957·1	1015·7	+ 3·3	297·1	309·7	22nd	282·0	273·6	2nd	289·6	*290·0*	− 1·8	17	+ 10
1124	Salta	24 46	65 28	1178	885·0	1015·4	+ 2·8	295·0	307·0	23rd	280·2	273·0	17th	287·6	*288·0*	− 2·2	4	− 5
1125	Goya	29 9	59 15	26	1013·6	1016·7	+ 2·8	295·9	307·0	23rd	283·9	276·2	2nd	289·9	*289·2*	− 1·2	104	+ 44
1126	ϕAsuncion	25 17	57 41	93	1005·5	1016·4	+ 2·9	298·6	309·0	24th	287·8	279·4	2nd	293·2	*292·2*	− 1·8	119	+ 33
1127	Curityba	25 25	49 17	908	916·6	1019·2	+ 1·5	293·8	303·0	24th	281·5	273·2	3rd	287·6	*287·0*	− 0·5	84	− 38
1128	Rio de Janeiro	22 54	43 10	18·3	1017·0	1019·2	+ 2·2	297·0	303·1	24th	290·8	288·5	5th	293·9	293·6	− 0·3	18	− 48
																Sea Temp.		
1128*a*	25°—30° S. 50°—45° W.	††27 8	††47 7	§(65–76)	..	1016·9	..	..	..	290·7 | −1·5	..	..	..	..	290·3	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††22 25	††41 28	§(44–58)	..	1016·1	..	..	..	294·5 | +0·2	..	..	..	..	293·9	..	..	..
			W.															
1139	Windhoek	22 34	E 17 5	1669	..	..	..	298·9	302·9	18th	283·9	278·3	2nd	291·4	*291·3*	− 0·6	0	− 2
1141	Kimberley	28 42	24 47	1202	884·2	1016·7	− 0·2	298·5	306·4	18th	280·7	270·2	1st	289·6	289·3	0·0	5	− 11
1141*a*	ϕJohannesburg	26 11	28 4	1806	824·4	1018·3	+ 0·1	293·8	300·9	18th	281·7	269·7	1st	287·8	*287·7*	− 0·4	35	+ 11
1142	Bulawayo	20 9	28 35	1340	870·2	1014·5	− 0·4	300·8	305·8	30th	285·1	277·6	2nd	292·9	*292·7*	+ 0·1	0	− 3
1143	Durban	29 52	31 3	15·2	1020·6	1022·4	+ 1·6	294·4	297·8	29th	288·3	283·4	3rd	291·3	*290·8*	− 0·8	82	+ 1
1144	Lourenço Marques	25 58	32 36	59	..	1020·3	+ 1·1	297·7	309·0	20th	288·3	282·5	3rd	293·0	292·7	− 0·9	34	+ 9
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	284·4	282·8	..	..	..	..	19	..
1146	Fort Dauphin	25 2	46 58	25	..	1010·7	..	..	..	..	283·1	281·0	..	..	..	..	24	..
1147	Mauritius	20 6	57 33	55·2	1013·4	1019·9	− 0·3	297·4	299·9	29th	289·5	285·1	16th	293·5	293·2	− 0·7	27	− 6
1159	Onslow	21 43	114 57	4·3	1012·7	1013·7	− 0·8	303·2	311·3	23rd	286·9	283·0	2nd	295·1	..	+ 0·6	0	− 2
1160	Cue	27 27	117 52	454	963·9	1015·7	− 0·5	297·8	307·5	22nd	284·5	276·5	1st	291·1	..	+ 0·8	7	− 1
1161	ϕNullagine	21 53	120 5	386	969·7	1012·7	− 1·3	305·3	311·6	25th	286·6	279·9	12th	295·9	..	+ 1·2	0	− 1
1162	ϕLaverton	28 40	122 23	466	963·0	1016·0	− 0·6	297·2	307·2	23rd	284·2	276·1	1st	290·7	*290·7*	+ 0·9	15	+ 6
1163	Alice Springs	23 38	133 37	587	948·9	1014·4	0·0	301·5	310·5	26th	284·0	274·8	30th	292·8	*292·9*	+ 1·2	0	− 10
1164	William Creek	28 55	136 21	76·2	1007·4	1016·4	− 0·4	299·1	308·6	9th, 19th	283·2	276·1	4th	291·2	*291·0*	+ 1·1	9	− 2
1164*a*	ϕBoulia	22 55	139 38	146	997·4	1014·1	− 0·1	303·6	312·0	26th	287·4	280·9	30th	295·5	*295·6*	+ 1·1	6	− 3
1165	Thargomindah	27 58	143 43	123	1001·2	1015·7	− 0·1	299·1	306·0	14th, 24th	285·6	278·1	5th	292·3	*292·1*	+ 0·6	27	+ 14
1166	Mitchell	26 32	147 52	336	978·7	1016·9	+ 0·2	297·2	304·1	24th	282·6	276·1	7th, 9th	289·9	..	+ 0·5	52	+ 18
1167	Rockhampton	23 24	150 30	11·3	1015·9	1017·4	+ 0·5	300·3	305·3	28th	289·3	282·4	8th	294·8	*294·1*	+ 0·6	46	+ 12
1168	Brisbane	27 28	153 2	41·8	1013·6	1018·0	+ 0·6	297·3	301·9	15th	286·7	282·6	9th	292·0	*291·4*	+ 0·6	30	− 22
1170	Norfolk Island	29 4	167 59	15·2	..	..	..	..	..	..	..	..	..	..	..	..	119	+ 19
		S.	E.															

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	978·6	1019·9	..	288·4	291·9	23rd	280·8	277·2	12th	284·6	*283·6*	..	78	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1005·4	1020·1	+ 1·5	286·3	289·0	sev. dates	279·1	275·5	11th	282·7	*283·3*	− 1·0	47	− 3
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1014·4	1019·4	+ 1·2	290·6	297·0	16th	281·7	278·6	6th	286·1	*285·5*	− 0·5	2	− 29
1222*a*	Santiago	33 27	70 42	520	957·2	1018·3	+ 0·5	293·6	303·9	30th	277·8	273·1	15th	285·7	*284·8*	+ 0·6	12	− 20
1223	Cordoba	31 25	64 12	423	968·7	1018·4	+ 2·7	294·8	306·9	21st	278·6	269·5	2nd	286·7	286·6	− 1·2	30	+ 7
1224	Bahia Blanca	38 45	62 15	25	1018·0	1021·1	+ 3·8	288·5	299·2	9th	278·8	274·2	13th	283·6	*283·7*	− 1·5	40	0
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1016·3	1019·4	+ 1·3	290·2	300·2	23rd	280·0	275·2	13th, 29th	285·1	285·2	− 0·6	107	+ 31
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1017·0	− 0·3	..	297·4	23rd	..	279·5	1st	..	*284·9*	− 0·9	121	+ 34
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1015·8	1018·6	+ 1·4	293·7	306·2	11th	284·0	278·0	3rd	288·9	288·6	− 0·9	120	+ 5
																Sea Temp.		
1226*b*	30°—35° S. 55°—50° W.	††32 18	††51 40	§(58–75)	..	1017·1	..	..	..	285·9 | −1·4	..	..	..	..	285·1	..	..	..
			W.															
1239	ϕCape Town	33 56	E 18 29	12·2	..	1018·8	− 0·3	291·6	297·1	2nd	284·2	278·4	1st	287·9	*286·6*	+ 0·5	35	− 22
1240	Danger Point	34 37	19 18	27·7	1015·8	1019·1	..	289·8	293·0	28th	284·1	278·0	1st	286·9	..	+ 0·1	23	− 39
1241	Riversdale	34 6	21 16	?100	..	..	..	293·7	300·8	2nd	281·6	272·7	2nd	287·7	..	..	8	− 32
1242	East London	33 2	27 55	44·8	..	1019·3	− 0·3	293·8	303·6	3rd	284·8	279·7	3rd	289·3	..	− 0·3	47	− 5
1259	Perth (Observatory)	31 57	115 51	60·0	1010·6	1017·8	− 0·2	292·4	300·2	22nd	283·1	278·6	14th	287·8	*287·7*	+ 0·2	57	− 30
1260	Katanning	33 42	117 35	310	980·5	1017·4	+ 0·5	290·5	296·6	22nd	279·8	274·8	4th	285·2	..	+ 0·1	76	+ 26
1261	ϕCoolgardie	30 57	121 10	423	967·7	1016·4	− 0·4	295·1	303·7	22nd	281·7	276·8	1st, 3rd	288·4	*288·4*	+ 0·6	23	+ 6
1262	Eucla	31 45	128 58	4·6	1015·2	1015·9	− 0·8	292·6	307·9	23rd	282·7	276·3	1st	287·6	287·2	− 0·5	65	+ 46
1263	ϕStreaky Bay	32 48	134 13	13·1	1015·6	1017·0	− 0·4	291·6	296·9	6th	283·2	276·3	5th	287·4	*287·0*	+ 0·1	42	+ 7
1264	Adelaide	34 56	138 35	42·7	1010·9	1016·0	− 1·3	290·8	298·2	19th	282·2	277·4	6th	286·5	*286·3*	− 0·4	88	+ 36
1265	Melbourne	37 49	144 58	35·1	1010·3	1014·2	− 1·6	289·5	297·4	19th	282·0	277·3	3rd	285·8	*285·6*	+ 0·5	58	− 4
1266	Bourke	30 13	145 58	110	1006·9	1020·0	+ 0·3	297·5	303·6	19, 20, 24	282·8	276·9	4th	290·1	..	0·0	53	+ 33
1267	Sydney	33 51	151 13	42·1	1010·1	1015·1	− 0·9	293·8	300·8	27th	284·2	280·1	4th, 8th	289·0	*288·7*	+ 0·9	71	− 2
1268	Lord Howe Island	31 20	159 0	4·6	1018·2	1018·8	+ 0·7	293·1	295·5	22nd	286·4	281·6	18th	289·8	..	− 0·4	209	+ 77
1271	Auckland	36 50	174 50	38·1	..	1020·1	+ 3·3	289·2	292·4	26th	283·1	278·6	5th	286·2	..	+ 0·6	106	+ 14
1272	ϕNapier	39 29	176 55	1·5	..	..	..	290·3	297·7	27th	281·2	273·3	4th	285·7	..	+ 0·7	23	− 32
		S.	E.															

SEPTEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

		S.	W.															
1321	Chatham Island	43 57	176 31	45·7	..	1016·1	..	..	..	..	..	..	..	..	..	..	21	− 48
1321*a*	ϕIsla Guafo	43 34	74 45	140	1002·8	1019·9	+ 2·7	283·9	287·9	12th	277·8	273·8	10th	280·9	*281·0*	+ 0·4	38	− 33
1322	Punta Galera	45 1	73 44	40	1015·9	1020·8	+ 2·6	285·2	288·8	12th	279·9	276·0	11th	282·5	*282·8*	+ 0·2	104	− 69
1323	Sarmiento	45 30	69 0	274	986·4	1018·0	+ 4·7	287·1	292·4	19th, 30th	274·4	265·9	11th	280·8	*280·3*	− 0·7	25	+ 14
1324	Puerto Madryn	42 49	W64 58	14	1019·2	1020·6	+ 6·2	287·7	298·6	30th	276·2	269·0	13th	282·0	*282·3*	− 1·2	6	− 8
1365	Launceston	41 27	E147 10	10·1	1008·6	1009·8	− 1·8	288·1	291·9	19th	279·6	273·6	8th	283·9	*283·1*	+ 0·7	107	+ 32
1370	Hobart	42 53	147 20	53·9	1002·4	1009·0	− 1·9	287·6	291·8	21st	279·9	276·2	5th	283·8	*283·0*	+ 0·2	43	− 10
1371	Invercargill	46 25	168 21	3·7	..	..	..	288·5	294·7	17th, 30th	277·9	273·0	1st	283·2	..	+ 1·3	86	+ 5
1371*a*	Dunedin	45 52	170 31	91·4	..	1014·8	+ 3·3	289·3	294·7	22nd	279·7	275·2	8th	284·5	..	+ 2·7	65	− 5
1372	Christchurch	43 31	172 39	7·6	..	1014·9	+ 2·0	288·7	294·3	15th	278·3	271·5	9th	283·5	..	+ 1·1	25	− 20
	Wellington	41 16	174 46	3·0	..	1018·2	+ 4·3	288·2	292·6	21st	282·5	274·8	2nd	285·4	..	+ 1·5	62	− 39

SEPTEMBER—ZONE 14. RÉSEAU MONDIAL
Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1005·9	1012·7	+ 8·7	278·9	280·8	19th	275·5	271·4	9th	277·2	*277·5*	− 0·3	232	
1422	Puerto de Punta Arenas	53 10	70 54	28	1008·8	1012·3	+ 7·4	281·4	285·4	13th	275·3	272·4	9th	278·3	*278·4*	+ 0·8	3	
1423	ϕPunta Dungeness	52 24	68 26	5	1011·4	1012·0	+ 8·2	280·7	285·6	19th	274·1	271·2	2nd	277·4	*277·6*	0·0	3	
1424	Santa Cruz	50 11	68 21	12	1012·8	1013·8	+ 6·4	286·9	291·2	6th	272·9	268·0	3, 12, 14	279·9	*280·2*	+ 0·8	0	
1424*a*	Año Nuevo	54 39	64 8	50	1002·9	1009·1	+ 7·2	280·3	285·0	20th	274·7	269·5	10th	277·5	*277·0*	+ 0·6	15	
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1014·8	..	280·3	286·3	20th	273·8	270·2	10th, 11th	277·1	..	..	13	
1426	Cape Pembroke	51 41	57 42	21·3	1011·4	1013·9	+ 8·4	280·1	286·9	20th	274·3	270·8	11th	277·2	277·4	+ 0·3	..	
1429	S.Georgia(CumberlandBay)	54 14	36 33	4	1003·5	1004·0	+ 3·8	277·2	285·5	22nd	..	..	..	..	*273·3*	0·0	46	
		S.	W.															
	SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.																	
1527	South Orkneys.	60 44	44 39	7	994·8	995·7	+ 2·1	271·6	277·2	4th, 5th	262·1	242·7	12th	266·8	267·3	+ 1·2	88	
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1924.

Date.	St. Helena. 1035. Direction	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort)		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8h.
1	SE	3·7	SE 4	E 1	Calm 0	N 2	Calm 0	EbyN 1	EbyN 2	SE 4	NE 3	E 4	NE 3
2	SE	2·6	SE 5	SW 1	WSW 2	NE 1	Calm 0	EbyN 1	EbyN 2	SE 1	E 5	E 5	WbyS 2
3	SE	4·4	SE 5	WSW 3	WSW 4	SW 1	Calm 0	E 2	E 2	Calm 0	E 2	E 4	Calm
4	SE	7·6	SE 4	SW 1	SW 2	N 1	Calm 0	E 1	E 1	SE 2	E 3	E 3	Calm
5	SE	10·5	SE 1	Calm 0	WSW 1	N 2	Calm 0	E 2	E 2	SE 4	NE 3	NE 3	NE
6	ESE	9·6	SE 4	SW 1	SW 1	N 3	S 1	E 1	E 1	SE 8	NE 4	NE 3	SE
7	ESE	5·7	SE 1	WNW 1	SW 1	N 1	Calm 0	E 1	E 1	SE 4	NE 2	NE 2	NE
8	ESE	..	ESE 3	NNE 1	WNW 1	N 2	Calm 0	EbyS 1	EbyS 2	SE 6	NE 3	NE 1	E
9	ESE	..	SSE 4	SSW 1	SW 1	S 1	S 1	E 2	E 2	SE 9	NE 2	NE 1	Calm
10	Calm	1·7	SE 5	E 1	SW 2	NE 1	Calm 0	E 2	E 2	..	N 2	N 2	SEbyE 2
11	ESE	2·9	SE 3	NE 2	Calm 0	Calm 0	Calm 0	E 2	E 2	Calm 0	N 2	N 1	SE
12	ESE	3·5	SE 6	SSW 1	SW 1	NE 1	Calm 0	E 2	E 1	Calm 0	N 1	N 3	ESE
13	ESE	4·6	SE 4	Calm 0	SSW 1	SW 1	SW 1	E 2	E 2	Calm 0	N 3	NE 2	SE
14	ESE	4·9	SE 4	Calm 0	SW 2	N 1	NW 4	E 2	E 2	Calm 0	NE 3	NE 2	E
15	SE	5·1	SE 5	WSW 1	WSW 1	N 2	Calm 0	EbyS 2	E 2	Calm 0	NE 2	NE 2	ENE
16	SE	4·6	SSE 3	SSW 1	WSW 1	N 1	Calm 0	E 1	E 2	SE 2	E 3	E 2	NEbyE
17	SE	5·8	SSE 2	SSW 1	SSW 1	NW 2	Calm 0	EbyN 2	EbyN 1	SE 6	E 2	Calm 0	Calm
18	SE	11·2	SE 3	NE 1	Calm 0	NW 4	S 1	E 2	E 2	SE 6	E 1	E 3	Calm
19	SE	11·4	SE 5	E 1	WSW 2	N 1	Calm 0	E 2	E 2	Calm 0	E 3	E 4	ESE
20	ESE	10·2	ESE 6	Calm 0	WNW 1	NW 2	Calm 0	E 2	E 2	SE 6	E 2	E 6	ESE
21	SE	11·1	ESE 6	NW 2	WSW 3	N 3	Calm 0	E 2	EbyS 2	SE 6	E 5	E 5	SE
22	SE	10·6	SE 9	Calm 0	SW 2	N 3	NW 1	E 2	E 2	SE 6	ESE 4	ESE 4	Calm
23	SE	6·3	SE 5	Calm 0	SW 2	N 1	N 1	EbyS 2	EbyS 2	SE 4	E 4	E 4	S
24	SE	4·9	SE 7	SW 1	SW 1	NE 1	N 1	EbyS 2	EbyS 2	SE 4	ESE 6	ESE 6	ESE
25	SE	6·5	SE 8	N 2	WNW 2	N 2	SW 1	EbyS 2	EbyS 2	SE 1	ESE 5	ESE 4	NE
26	SE	6·2	SE 4	WSW 1	Calm 0	N 2	Calm 0	E 2	E 2	SE 4	SE 6	SE 4	SE
27	SE	5·4	SE 6	WSW 2	SW 2	NW 2	N 1	E 1	EbyS 2	SE 6	SE 5	ESE 4	SE
28	SE	5·2	SE 6	ENE 1	Calm 0	N 1	Calm 0	E 1	EbyS 2	SE 4	E 5	E 5	ESE
29	SE	8·4	SE 5	Calm 0	SE 1	N 1	Calm 0	EbyS 2	EbyS 2	SE 2	E 5	E 4	ESE
30	SE	10·4	SE 6	NE 2	SSW 2	N 1	N 1	EbyS 2	EbyS 2	SE 2	E 3	E 4	NE
Mean	..	6·6	4·6	1·0	1·3	1·6	0·5	1·7	1·8	3·3	3·3	3·2	
§Resultant	130°(92)	..	135°(96)	235°(40)		350°(38)		90°(100)		135°(75)	75°(78)		105°(9
§Normal	143°(91)	8·8	‖124°(80)	260°(33)		255°(29)		‖‖ 89°(88)		133°(81)	‖102°(48)		102°(8

‖Normal refers to ½ (9+21). ‖‖ Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanaton *see* Introdu

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1924.

‡‡*Kara Sea.*—The route from the Obj to Kara Strait was free of ice, but ice belts were observed in various parts of the sea. On the 8th the edge was l 60 miles from the east coast of Novaya Zemlya. On the 21st the ice approached the land and partly entered Matotschkin Strait and by the 31st young ice in the bays was about 4 cm. thick. The ice was navigable throughout the month.

‡‡*Barents Sea.*—In the northern part the edge ran from King Charles Land towards southeast to Lat. 77°, large openings being observed in the edge. Fr King Charles Land towards Hope Island there was scattered drift ice. On the 23rd no ice was observed by an aeroplane flying from Matotsch Strait to Admiralty Peninsula.

‡‡*Spitsbergen.*—The whole of the west coast was free of ice.
‡‡*Iceland.*—Normally the coasts of Iceland and Grimsey are free of ice, but this year a few icebergs were observed off Ønundafjord on the 28th.
‡‡*Greenland Sea and Denmark Strait.*—On the 4th young scattered ice formed at the mouth of Scoresby Sound, but outside this there was close pack forr a belt 65 miles wide. On the 24th the fjord froze over but on the 29th a gale drove the ice out to sea. An ice belt 10—20 miles w lay off Angmagsalik.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 11. The route past B Isle and along the coast of Labrador was free of ice. Only a few icebergs were observed along the coast of Labrador and none of them south of 54
‡‡*Davis Strait and Baffin Bay.*—Except for numerous icebergs the sea was free of ice from Cape Farewell to past Upernivik. A little "Storis" however occur towards the end of the month off Nanortalik but quickly disappeared. Along the western shore the sea was free of ice to Bylot Island where ma icebergs occurred, as also at Cape Dier. Hudson Strait and the northern part of Hudson Bay were free of ice, as also was Rowes Welcome except for mass of ice in the northern part. In Repulse Bay the ice was lying packed along the southern side. Frozen Strait was full of ice.

‡‡*Bering Strait and Polar Sea.*—Along the north coast of Alaska; east of Point Barrow, the polar ice was scattered, but the coast ice was lying unbroken w of Point Barrow the edge trended due west. South of this the sea was open though ice was again met with in Bering Strait. Along the Siberian c the ice was lying inshore leaving only a narrow land water. The edge was encountered 30 miles south of Herald Island.

‡‡*Isforholdene i de arktiske Have, 1924 and 1925*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1924 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

OCTOBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1015·9	..	260·9	274·1	1st	253·8	244·7	22nd	257·3	..	− 6·9	4	− 16
125	Upernivik	72 47	56 7	19·2	1006·3	1008·7	− 0·3	270·0	273·2	9th	263·9	261·2	30th, 31st	266·9	*267·8*	− 1·2	18	− 10
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	1001·4	1004·3	..	..	281·8	8th	272·1	262·4	18th	..	*274·3*	..	51	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1005·2	1006·7	− 2·2	..	278·1	3rd	267·5	258·2	19th	..	269·5	+ 2·3	62	+ 32
140	Björnöen	74 28	19 17	40·5	1002·4	1007·5	..	..	283·5	2nd	272·6	265·8	31st	..	*274·9*	..	80	..
141	Gjesvaer	71 6	25 22	6·5	1010·3	1011·1	+ 3·3	..	285·5	3rd	276·1	270·9	24th	..	*278·2*	+ 3·1	49	− 28
142	Mehavn	71 1	27 47	10·2	1011·1	1012·4	+ 4·5	..	283·2	4th	274·8	268·2	24th	..	*277·1*	+ 2·5	47	− 41
143	ϕVardö	70 22	31 8	6·8	1012·5	1013·3	+ 5·3	..	283·6	4th	275·4	271·8	25th	..	*277·5*	+ 2·9	33	− 30
147	Malye Karmakouly	72 23	52 43	15·3	1012·0	1013·9	+ 5·7	275·6	278·7	4th	272·2	268·0	15th	273·9	*274·0*	+ 4·4	38	+ 8
148	Waigatz	70 24	58 47	11·2	1013·0	1014·4	..	276·6	282·9	4th	271·5	266·0	30th	274·0	*273·8*	..	15	..
153	Dickson	73 30	80 23	13	1008·3	1010·0	..	270·8	274·5	2nd, 3rd	266·2	253·2	31st	268·5	..	..	16	..
		N.	E.															

Between Latitude 70° N. and 60° N.

OCTOBER—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1007·8	+ 2·4	271·5	279·1	1st	265·9	259·1	28th, 30th	268·7	*268·6*	− 2·7	43	+ 6
204	Candle	65 55	161 57	2·4	..	..	..	268·7	280·2	1st	260·5	249·1	20th	264·6	..	− 3·7	..	..
205	Tanana	65 10	152 6	67·1	..	1006·8	+ 0·5	268·4	279·7	1st	260·6	249·7	18th	264·5	*264·2*	− 3·4	43	+ 16
206	Rampart	65 30	150 15	114	..	..	..	266·9	278·0	5th	261·7	249·1	31st	264·3	..	− 3·0	30	+ 5
207	Valdez	61 7	146 16	7·6	..	..	..	278·6	293·6	2nd	270·6	265·8	28th	274·6	..	− 1·5	228	+ 51
208	Eagle	64 46	141 12	254	..	1006·4	− 2·6	269·7	281·9	1st	262·3	253·6	26th	266·0	*266·6*	− 3·0	27	+ 7
209	Dawson	64 4	139 29	324	966·3	1007·1	− 3·1	270·2	281·9	2nd	263·6	254·1	31st	266·9	..	− 2·5	36	+ 6
210	Carcross	60 11	134 34	662	..	..	..	277·7	286·3	1st	270·0	261·9	9th	273·8	..	− 0·1	28	+ 2
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	991·5	1009·5	− 2·1	274·7	287·4	10th	265·8	255·2	14th, 25th	270·2	..	+ 1·0	49	+ 19
213	ϕHay River	60 51	115 20	161	987·5	1007·4	− 4·4	278·0	288·0	20th	271·4	265·8	14th	274·7	..	+ 2·0	23	− 8
225	Jacobshavn	69 13	51 2	31·6	1001·6	1005·7	− 1·9	269·5	277·9	27th	265·1	260·5	21st, 22nd	267·3	*267·3*	− 2·0	2	− 22
226	Godthaab	64 11	51 43	20·4	1000·7	1003·2	− 2·0	273·4	278·0	17th	269·7	267·3	23, 30, 31	271·5	*271·4*	− 0·8	41	− 22
227	Ivigtut	61 12	48 10	5·0	1001·8	1002·4	− 3·0	277·9	283·6	21st	271·9	269·2	7th	274·9	*274·9*	+ 0·9	33	−116
229	Angmagsalik	65 37	37 33	29·3	998·2	1001·9	− 4·5	275·0	279·8	9th	270·2	264·0	30th	272·6	*272·5*	+ 0·7	110	− 42
231	Stykkisholm	65 5	22 46	25	..	1000·6	− 4·5	279·5	284·7	14th	275·0	269·0	21st	277·3	*276·8*	+ 0·6	119	+ 42
232	Vestmanno	63 24	20 17	132	..	999·6	− 5·5	280·5	283·3	23rd	276·3	273·4	27th	278·4	*278·1*	+ 0·4	202	+ 55
233	Akureyri	66 33	18 1	22·0	..	1001·1	− 6·3	278·0	283·6	14th	274·7	267·0	21st	276·3	*276·0*	+ 0·3	36	+ 1
233a	Grimsey	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn	64 41	14 22	18·0	..	1001·2	− 5·1	280·1	283·6	14th	275·5	266·6	21st	277·8	*277·5*	+ 1·0	247	+121
236	Thorshavn	62 3	6 45	26·3	1001·6	1004·8	− 2·8	282·1	287·0	15th	277·3	270·5	22nd	279·7	*279·9*	+ 0·2	93	− 62
237	Lerwick	60 9	W 1 11	18·0	..	1008·2	− 0·1	283·8	287·4	30th	280·9	274·1	21st, 22nd	282·4	*282·4*	+ 1·5	77	− 23
238	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1006·4	1011·8	+ 1·6	284·7	295·1	3rd	279·6	272·5	23rd	282·1	*282·1*	+ 1·6	180	− 25
239	Aalesund	62 28	6 10	6·3	1010·2	1011·0	+ 2·4	..	292·0	16th	280·0	272·2	21st	..	*282·8*	+ 2·3	76	− 84
240	ϕTrondhjem	63 26	10 25	37·3	1007·5	1012·0	+ 1·5	283·4	292·2	3rd	277·4	272·1	25th	280·4	*280·3*	+ 2·6	41	− 44
241	Bodö	67 17	14 24	22·3	1008·1	1010·8	+ 2·0	..	287·9	3rd	277·4	269·6	24th	..	*280·8*	+ 3·4	118	+ 16
242	Haparanda	65 50	24 9	9·2	1013·8	1014·9	+ 3·5	280·2	284·5	3rd	276·1	270·5	20th, 23rd	278·1	*278·3*	+ 3·9	87	+ 31
242a	Helsingfors	60 10	24 57	11·7	1016·7	1018·1	+ 3·7	283·4	287·7	4th	279·6	272·0	20th	281·5	*281·6*	+ 3·2	85	+ 19
243	Kuopio	62 55	27 40	233	989·0	1017·7	+ 5·1	279·8	286·0	3rd	..	273·0	23rd	..	*277·6*	+ 1·4	85	+ 34
244	Kola	68 53	33 3	6·7	1014·6	1015·4	+ 6·3	279·0	286·0	3rd, 4th	273·6	265·3	9th	276·3	*276·4*	+ 3·9	21	− 6
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1018·8	1019·6	+ 7·3	278·8	286·9	1st	274·4	268·6	8th	276·6	*276·4*	+ 2·2	32	− 8
247	Mezen	65 50	44 16	14·9	1016·7	1018·5	+ 7·6	277·2	285·5	4th	273·0	266·5	10th	275·1	*275·2*	+ 3·0	24	− 10
248	Oust-Tsylma	65 25	52 18	168	1009·2	1017·8	+ 5·7	275·6	283·3	4th	271·6	266·1	22nd	273·6	*273·4*	+ 2·2	37	+ 1
249	Teherdyn	60 24	56 31	?177	..	..	..	276·9	285·2	6th	272·8	266·4	10th	274·8	*274·7*	+ 2·1	59	+ 5
250	Berezov	63 56	65 4	39·5	1013·2	1018·2	+ 6·1	275·0	286·0	5th	..	..	..	..	*272·1*	+ 2·6	20	− 4
251	ϕObdorsk	66 31	66 36	35·2	1013·9	1018·4	+ 7·5	..	282·5	5th	268·9	260·7	16th	..	*271·4*	+ 3·0	16	− 3
252	New Port	67 42	72 57	4·9	1015·8	1016·4	..	..	278·7	4th	..	..	..	..	*270·3*	..	10	..
253	ϕSourgout	61 15	73 24	?40	1012·0	1017·1	+ 3·8	..	282·4	5th	268·4	251·4	16th	..	*271·3*	+ 0·8	50	+ 15
254	Doudinka	69 23	86 4	20·0	1009·5	1012·2	+ 4·1	..	273·4	5th	..	247·1	16th, 17th	..	*264·6*	+ 0·4	22	+ 3
261	Touroukhansk	65 47	87 57	45·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Viliouisk	63 45	121 35	120	..	..	..	..	276·9	1st	258·2	238·4	28th	..	*262·3*	− 2·6	26	+ 9
263	ϕIakoutsk	62 1	129 43	108	999·9	1014·0	− 2·1	..	254·2	28th	260·1	252·1	29th	..	*263·0*	− 2·1	15	− 3
	Verkhotansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	280·7	285·2	3rd, 14th	275·8	271·3	17th	278·3	..	..	188	..
302	St. Paul Island	57 15	170 10	21·3	..	1009·8	+ 5·1	277·4	281·9	13th	274·2	270·8	24, 26, 29	275·8	..	— 1·0	129	+ 55
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·8	+ 5·5	..	..	..	..	..	..	..	‡277·2	..	131	..
304	Port Moller	55 56	160 30	5·5	..	..	..	279·4	286·9	sev. dates	274·8	270·2	31st	277·1	..	..	46	..
305	Dillingham	59 0	158 28	24·4	..	..	..	275·8	283·6	1st	267·9	259·7	13th	271·9	..	— 3·5	..	— 50
306	Kodiak (Radio)	57 46	152 22	6·1	..	998·3	— 3·9	280·5	286·9	sev. dates	274·5	269·7	19th	277·5	277·2	— 1·6	91	..
										Sea Temp.								
307	55°—50° N. 150°—145° W.	††51 27	††147 16	§(26)	..	1007·4	0·0	..	..	282·4| 0·0	..	..	..	..	280·8	— 1·7	..	..
309	Sitka	57 3	135 19	27·4	..	1003·0	— 5·3	283·4	288·0	7th	276·4	271·3	8th	279·9	279·7	— 0·8	281	— 9
310	Prince Rupert	54 18	130 18	51·8	999·8	1006·1	— 5·9	285·2	289·7	22nd	278·6	273·0	9th	281·9	281·7	+ 0·5	274	— 1
311	Barkerville	53 2	121 35	1274	863·4	1008·6	— 5·5	280·8	287·4	20th, 22nd	272·4	263·6	9th	276·6	276·3	+ 0·8	80	— 4
312	ϕKamloops	50 41	120 29	385	969·1	1015·1	— 5·0	288·3	294·3	2nd	277·8	270·2	11th	283·1	282·7	+ 1·5	9	— 2
313	Calgary	51 2	114 2	1045	890·6	1010·6	— 2·9	288·6	296·3	20th	272·4	265·8	11th	280·5	279·3	+ 2·1	24	+ 9
314	Fort Chipewyan	58 42	111 10	218	982·1	1008·8	— 3·5	281·3	289·7	23rd	270·8	260·8	14th	276·1	276·4	+ 2·3	10	+ 4
315	Prince Albert	53 10	105 38	442	959·0	1012·0	— 1·6	286·3	293·0	18, 20, 24	274·1	268·6	11th	280·2	279·4	+ 3·6	44	+ 20
316	Qu'Appelle	50 30	103 47	645	935·4	1011·5	— 2·6	287·4	297·4	25th	275·2	266·3	6th	281·3	280·1	+ 3·9	52	+ 16
317	Minnedosa	50 15	99 50	515	951·6	1012·8	— 2·5	286·7	296·2	26th	275·3	270·8	7th	281·0	280·0	+ 3·4	55	+ 19
318	Berens River	52 18	97 23	216	..	..	..	286·8	291·9	26th	272·4	266·3	7th, 18th	279·6	..	+ 2·1	123	+ 57
318a	Port Nelson	57 0	92 51	14·9	1011·2	1013·0	+ 0·3	278·6	286·9	21st, 24th	273·0	265·8	18th	275·8	..	+ 4·2	26	— 8
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	279·4	286·9	3rd	274·1	268·6	28th	276·8	..	..	62	— 20
322	Mistassini Post	50 15	73 55	383	..	..	..	282·1	293·4	5th	272·6	266·1	29th	277·3	..	+ 2·1	22	— 8
324	Natashquan	50 8	61 48	6·1	..	..	..	282·7	290·2	6th	273·3	266·9	27th, 29th	278·0	..	+ 1·4	37	— 8
										Sea Temp.								
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	284·8| —0·5	..	..	..	..	284·9	..	..	..
331	55°—50° N. 30°—25° W.	††52 27	††27 14	§(19)	..	1004·5	..	..	..	283·0| —0·5	..	..	..	..	283·0	..	..	..
333	53°—48° N. 20°—15° W.	††51 8	††17 4	§(33–35)	..	1013·3	..	..	..	286·1 —0·9	..	..	..	..	286·1	..	..	..
333a	62°—57° N. 20°—15° W.	††59 40	††17 22	§(37)	..	..	..	..	..	283·0| —0·5	..	..	..	..	283·0	..	..	..
334	Cahiriveen (Valentia Obs.)	51 56	10 15	13·7	..	1009·6	— 2·4	286·4	291·9	14th	282·5	277·4	4th	284·4	284·7	+ 0·9	135	— 24
335	Aberdeen	57 10	W 2 6	26·8	..	1009·3	— 1·0	284·3	286·9	12th	279·4	273·0	22nd	281·8	282·0	+ 0·6	75	— 46
336	Greenwich	51 28	0 0	46·3	..	1013·3	— 0·3	287·7	293·6	12th, 13th	280·6	273·6	23rd, 24th	284·2	283·8	+ 0·9	83	— 23
337	Uccle	50 48	E 4 22	100	1002·6	1014·7	+ 0·2	288·8	295·5	12th	281·1	272·9	24th	284·9	283·9	+ 1·7	101	+ 1
338	De Bilt	52 6	5 11	3·0	1014·0	1014·4	+ 0·5	287·8	295·0	14th	280·6	273·4	24th	284·2	283·6	+ 1·1	76	— 22
338a	Hamburg	53 33	9 58	40·3	1011·4	1016·3	+ 2·2	286·3	293·1	12th	280·2	274·1	25th	283·3	282·9	+ 0·6	57	— 37
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1016·0	1016·6	+ 3·2	285·7	290·0	2nd, 3rd	280·1	270·0	24th	282·9	282·9	+ 2·0	23	— 40
340	Potsdam	52 23	13 4	84·9	1007·6	1018·0	+ 2·5	288·3	294·9	2nd	279·1	270·8	24th	283·7	283·0	+ 1·5	8	— 37
340a	Uppsala	59 51	17 38	24	1013·2	1016·1	+ 3·0	283·3	288·7	3rd	277·2	268·0	20th	280·3	280·2	+ 2·0	47	— 14
341	Warsaw	52 13	21 3	89·9	1010·7	1021·9	+ 3·5	286·9	295·9	1st	277·0	270·1	25th	281·9	281·6	..	24	— 6
342	Tartu (Ülikooli)	58 23	26 43	74·5	1011·3	1020·5	+ 5·1	284·0	292·2	6th	277·6	271·7	24th	280·8	280·3	+ 2·4	31	— 8
343	Leningrad	59 56	30 16	4·8	1019·8	1020·4	+ 5·2	282·0	290·9	5th	277·6	273·5	24th	279·8	279·6	+ 1·9	27	— 9
344	Kiiv	50 27	30 30	183	1002·9	1025·4	+ 5·8	285·9	295·6	3rd	277·2	270·3	14th	281·5	281·1	+ 0·8	11	— 19
344a	Moscow	55 50	37 33	167	1004·3	1025·1	+ 5·9	281·3	290·6	4th, 6th	273·8	268·1	12th, 31st	277·6	277·2	+ 0·5	9	— 21
345	Saratov	51 33	45 57	122	1010·2	1025·5	+ 4·6	282·2	292·5	7th	273·3	265·3	13th	277·8	277·5	0·0	37	— 1
346	Kazan	55 47	49 8	79·9	1014·4	1024·4	+ 4·4	281·0	289·7	5th	274·8	268·3	9th	277·9	277·7	+ 1·3	24	— 3
347	Orenburg	51 45	55 6	109	1011·5	1025·1	+ 2·5	282·9	296·1	1st	272·4	264·9	9th, 16th	277·6	277·5	+ 0·1	11	— 19
348	Perm	58 1	56 16	163	1001·5	1021·9	+ 4·1	278·0	286·0	1st	273·6	267·3	10th	275·8	275·7	+ 1·6	51	— 14
349	Sverdlovsk	56 50	60 38	281	985·9	1020·8	+ 3·1	277·7	286·0	1st	272·8	267·3	10th	275·2	275·1	+ 1·7	25	— 19
350	ϕTobolsk	58 12	68 14	108	1005·9	1019·5	+ 2·7	277·5	289·4	1st	272·2	266·8	13th	274·8	274·5	+ 1·3	30	— 17
351	Akmolinsk	51 12	71 23	347	..	..	..	281·2	294·7	2nd	269·7	262·2	24th	275·4	275·0	+ 0·1	11	— 19
352	Omsk	55 1	73 19	108	1007·5	1021·1	+ 1·4	278·5	287·9	8th	271·6	265·7	14th	275·0	274·9	+ 0·6	14	— 19
353	Barnaoul	53 20	83 48	162	1003·9	1024·2	+ 1·6	278·2	286·9	27th	271·8	267·4	12th, 17th	275·0	275·1	+ 0·7	31	— 17
354	Tomsk	56 30	84 58	122	1005·1	1020·6	+ 0·7	276·3	286·4	9th	269·2	254·0	17th	272·8	272·7	— 0·2	62	— 13
355	Minousinsk	53 43	91 41	248	993·4	1024·4	+ 1·2	..	288·8	8th	270·0	262·0	19th	..	274·6	+ 0·3	19	— 19
356	Eniseisk	58 27	92 10	77·6	1009·5	1019·4	+ 1·0	..	279·5	6th	268·1	254·3	18th	..	271·1	— 0·6	37	— 19
357	Irkutsk	52 16	104 19	467	965·5	1023·9	+ 0·9	276·5	289·2	10th	266·3	256·4	19th, 31st	271·4	271·1	— 1·8	26	— 19
358	ϕKirensk	57 47	108 7	278	985·2	1020·4	— 0·1	..	277·4	10th	266·6	252·1	21st	..	269·5	— 0·8	30	— 19
359	ϕTchita	52 2	113 30	674	935·6	1018·2	— 2·2	..	..	..	264·8	251·5	28th	..	270·0	— 1·4	3	— 19
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	968·4	1016·3	— 1·8	273·4	284·5	1st	260·6	248·2	29th	267·0	267·0	— 2·0	26	— 19
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	996·2	1014·0	— 3·1	279·6	295·4	1st	267·9	256·6	20th	273·8	273·3	— 1·3	17	— 19
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1008·0	‡1009·6	+ 0·9	..	..	..	276·8	273·0	31st	..	278·2	+ 1·6	31	— 19
		N. °	E. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1003·7	1012·2	— 4·9	286·7	290·8	22nd	280·9	277·4	10th	283·8	283·2	+ 0·6	79	+ 14
412	Portland, Oregon	45 32	122 41	46·6	1009·2	1014·5	— 3·6	289·3	294·7	6th	281·8	275·8	10th	285·6	285·2	+ 0·6	140	+ 57
413	Macleod	..	..	..	..	..	..	288·5	297·4	22nd	275·2	267·4	11th	281·9	281·6	+ 2·0	13	— 4
414	Helena	49 44	113 24	953	..	..	..	287·1	295·8	25th	275·7	270·8	6th	281·4	280·9	+ 1·3	19	— 3
414a	Salt Lake City	46 34	112 4	1253	872·5	1014·9	— 2·3	289·9	298·0	16th	278·8	273·0	29th	284·3	284·2	0·0	47	+ 8
415	Cheyenne	40 46	111 54	1329	867·5	1015·6	— 1·5	288·2	296·3	1st	275·4	270·2	5th	281·8	282·2	+ 1·6	57	+ 36
416	North Platte	41 8	104 48	1856	812·8	1014·5	— 1·3	294·3	304·7	1st	279·3	273·0	5th	286·8	286·3	+ 3·7	24	— 3
416a	Bismarck	41 8	100 45	860	917·6	1016·6	— 0·3	291·9	297·4	25th	277·5	273·6	3rd	284·7	284·2	+ 4·7	51	+ 27
417	Winnipeg	46 47	100 38	510	954·4	1014·9	— 1·1	288·6	298·6	26th	278·0	270·8	7th	283·3	282·5	+ 5·5	69	+ 34
418	Duluth	49 53	97 7	232	985·9	1013·9	— 1·0	288·2	294·7	26th	278·6	271·9	21st	283·4	282·6	+ 3·4	41	— 21
		46 47	92 6	345	976·8	1018·6	+ 2·7											
419	Port Arthur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
420	Chicago	41 53	87 37	251	992·3	1022·7	+ 4·8	292·3	300·2	19th	284·5	277·4	23rd	288·4	288·3	+ 2·7	70	+ 9
421	Toronto	43 40	79 24	116	1009·1	1023·3	+ 5·8	288·5	295·1	5th	277·9	272·3	17th	283·2	282·8	+ 1·0	21	— 44
422	ϕNew York (Central Park)	40 47	73 58	47·4	1016·3	1022·0	+ 3·9	292·2	300·2	6th	281·7	274·1	23rd	286·9	286·6	+ 0·3	16	— 49
423	St. John, N.B.	45 17	66 4	36·2	1012·0	1016·5	+ 0·6	285·7	292·6	25th	277·3	270·6	30th	281·5	281·2	+ 1·1	7	— 87
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·4	1014·5	+ 1·3	280·6	286·3	5th	275·9	270·5	29th	278·3	278·3	+ 0·9	56	— 59
424a	Sable Island (Main Station)	43 57	60 6	7·6	1013·5	1014·4	— 2·2	284·8	289·7	1st	281·1	273·6	21st	282·9	282·9	— 1·4	19	— 71
425	Port aux Basques	47 35	59 10	9·1	1011·4	1012·5	— 1·6	283·1	288·8	3rd	277·2	270·5	27th	280·1	280·1	+ 0·3	73	— 52
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	49	— 90
430	50°—45° N. 35°—30° W.	††47 51	††32 39	§(14)	..	1009·5	..	..	..	Sea Temp. 288·6| +0·1	..	..	..	288·7	..	..	..
435	Madrid	40 24	3 41	667	941·8	1018·9	+ 1·9	293·1	296·9	11th	283·3	277·0	4th	288·2	287·2	+ 2·0	12	— 30
436	Nantes	47 15	W 1 34	36·5	1010·6	1015·2	— 0·2	289·3	295·0	12th	281·8	275·4	2nd	285·5	285·3	+ 1·2	69	— 27
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·0	1016·4	+ 0·5	288·7	295·3	14th	281·2	276·6	19th	285·0	284·6	+ 1·6	47	— 8
438	Marseille	43 18	5 23	75	..	1017·2	+ 2·5	292·9	296·0	13th	282·8	279·2	5th	287·8	287·2	— 0·6	95	— 3
438a	Zürich	47 23	8 33	493	960·5	1019·0	+ 1·6	288·1	293·5	8th	279·4	276·7	26th	283·8	282·8	+ 1·2	77	— 14
439	Rome	41 54	12 27	45·5	1012·3	1017·5	+ 1·5	294·0	297·1	4th	285·3	282·2	18th, 31st	289·6	289·3	— 0·3	194	+ 66
440	Vienna	48 15	16 22	203	993·8	1020·4	+ 2·9	286·7	293·4	5th	279·2	272·8	25th	282·9	282·7	— 0·3	23	— 24
440a	Budapest	47 31	19 1	130	1005·3	1021·1	+ 3·3	289·6	298·0	5th	280·3	274·9	25th	284·9	284·4	+ 1·1	13	— 46
441	Sofia	42 42	23 20	550	956·2	1021·2	+ 2·2	287·8	296·5	4th	279·9	272·6	15th, 16th	283·9	283·4	— 0·8	81	+ 23
442	Bucharest	44 25	26 6	82	1012·2	1022·2	+ 3·2	289·9	297·8	6th	280·4	273·3	16th, 19th	285·1	284·5	— 0·1	74	+ 31
443	Odessa (Observatory)	46 26	30 46	42·8	1017·3	1022·5	+ 2·7	288·1	296·1	1st	281·3	273·6	18th, 26th	284·7	284·5	+ 0·2	19	— 12
444	ϕKharkiv (University)	50 0	36 14	140	1008·4	1025·7	+ 4·7	284·9	294·8	8th	275·6	270·4	12th, 16th	280·3	280·0	— 0·2	36	— 9
444a	Novorossiisk	44 44	37 49	37·1	1015·0	1019·5	+ 0·7	291·6	299·6	2nd	283·8	276·2	18th	287·7	287·4	— 0·1	9	— 37
445	Tiflis	41 43	44 48	404	973·6	1021·2	+ 0·1	290·5	300·4	2nd	282·9	274·3	31st	286·7	286·1	— 0·4	133	+ 96
446	Astrakhan	46 21	48 2	—20	1026·7	1024·3	+ 1·3	286·9	297·4	1st	278·3	271·9	12th	282·6	282·5	— 0·2	4	— 7
447	Fort Alexandrovsk	44 31	50 7	—23·0	1025·6	1022·8	+ 0·9	288·9	299·5	1st	282·1	270·1	11th	285·5	285·1	+ 0·3	14	+ 1
448	ϕKrasnovodsk	40 0	52 59	— 4·6	1021·0	1020·4	— 0·1	292·9	300·7	4th	286·4	279·4	14th	289·6	289·5	— 0·5	15	+ 6
449	Kasalinsk	45 46	62 7	66·7	1015·9	1024·1	+ 1·6	..	..	..	275·0	265·7	14th	..	281·0	+ 0·6	2	— 7
450	Tashkent	41 20	69 18	478	964·8	1021·0	— 1·1	295·0	305·1	27th	280·7	271·6	31st	287·8	286·8	+ 1·8	32	+ 5
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	924·7	1022·5	— 0·3	288·5	297·0	4th	277·7	268·8	15th	283·1	282·9	+ 1·8	3	— 11
461	ϕMoukden	41 48	123 23	43·8	1014·4	1019·8	+ 0·2	288·9	299·4	1st	275·5	266·1	24th	282·2	281·6	— 0·4	53	+ 5
462	ϕJoshin	40 40	129 11	31·9	1014·4	1018·3	+ 0·2	289·4	296·3	4th	279·2	271·4	20th, 24th	284·3	284·6	0·0	61	+ 22
463	ϕYuki	42 20	130 24	65·6	1010·5	1018·6	+ 0·9	286·3	294·0	10th	276·3	267·3	29th	281·3	281·6	— 1·3	11	— 36
464	Vladivostok	43 7	131 54	128	1002·4	1018·2	0·0	284·1	294·8	1st	276·8	266·9	29th	280·4	280·3	— 2·0	14	— 45
465	ϕOchiai	47 20	142 47	27·4	1007·8	1011·2	— 2·8	283·6	291·4	7th	273·8	266·0	24th	278·7	278·8	— 0·2	23	— 23
466	Nemuro	43 20	145 35	26·7	1012·1	1015·4	— 0·3	287·2	293·0	1st	279·3	270·4	30th	283·3	283·4	0·0	107	+ 5
466a	Syana	45 14	147 53	39·3	1009·4	1014·2	— 0·9	285·8	291·3	1st	277·7	272·0	14th	281·7	282·2	+ 0·4	127	+ 30
		N. °	E. °														153	+ 41

Between Latitude 40° N. and 30° N. — OCTOBER—ZONE 5 (Western Half).

508	35°—30° N. 145°—140° W.	††31 55	††142 4	§(15)	..	1021·0	— 1·4	..	..	Sea Temp. 294·1| 0·0	..	..	..	..	293·0	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1011·2	1016·9	+ 0·4	291·7	301·3	2nd	284·8	281·9	12th	288·2	287·6	+ 0·3	76	+ 52
512	San Luis Obispo	35 18	120 39	61·3	1010·0	1017·3	+ 1·5	294·8	305·8	2nd	281·4	277·4	13th	288·1	286·9	— 1·1	24	+ 1
513	San Diego	32 43	117 10	26·5	1012·7	1015·6	+ 1·5	292·3	299·1	19th	285·3	282·4	12th	288·8	288·5	— 1·5	9	0
514	Modena	37 48	113 54	1670	833·9	1015·6	— 0·9	290·6	298·6	1st	270·4	261·3	30th	280·5	280·7	— 1·2	10	— 14
515	Santa Fé	35 41	105 57	213	789·1	1015·2	+ 0·3	290·8	296·9	1st	276·6	270·2	31st	283·7	283·7	+ 0·8	8	— 20
516	Denver	39 45	105 0	1613	837·1	1014·5	— 1·6	292·3	300·8	17th	278·6	274·1	13th	285·4	285·5	+ 2·1	24	— 1
517	Abilene	32 23	99 40	530	956·9	1017·9	+ 0·9	299·3	306·3	4th	285·2	273·6	24th	292·2	290·8	+ 1·0	8	— 55
518	Saint Louis	38 38	90 12	173	1000·7	1021·3	+ 3·1	296·6	302·4	18th	285·7	275·8	22nd	291·1	291·0	+ 3·5	8	— 64
519	Mobile	30 41	88 2	17·4	1017·3	1019·3	+ 2·0	298·9	303·0	5th	287·6	279·7	24th	293·2	292·6	+ 0·4	8	— 81
520	Nashville	36 10	86 47	166	1003·0	1023·0	+ 3·6	297·7	301·9	18th	283·4	275·2	24th	290·6	290·5	+ 1·8	1	— 60
521	Charleston	32 47	79 56	14·6	1019·3	1021·0	+ 3·0	295·5	300·2	6th	288·0	280·2	22nd	291·8	291·5	— 0·6	42	— 49
522	Washington	38 54	77 3	34·1	1018·9	1023·0	+ 4·1	293·7	301·3	6th	280·6	274·1	23rd	287·1	286·4	+ 0·3	11	— 62
524	Bermuda	32 17	64 46	46·0	1012·0	1017·4	+ 1·1	298·7	301·9	2nd	291·8	288·9	31st	295·2	294·7	— 1·7	121	— 29
530	Santa Cruz (Flores)	39 27	31 9	40	1013·5	1018·4	— 1·8	295·5	298·1	2nd, 9th	290·3	286·7	26th	292·9	293·0	+ 0·9	140	— 4
531	Horta	38 32	28 38	65	1011·3	1019·1	— 0·1	296·0	299·9	2nd	290·3	287·5	28th	293·1	292·8	+ 0·7	124	+ 11
532a	Ponta Delgada	37 44	25 40	22	1017·1	1019·7	+ 1·4	294·6	296·2	9th	290·5	288·0	14th	292·5	292·8	+ 1·1	..	..
533	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	164	+ 32
535	Madeira (Funchal)	32 38	16 55	25	‡1017·5	‡1020·5	+ 2·4	296·2	297·2	18, 26, 28	291·0	289·1	16th	293·6	293·6	+ 0·4	12	— 89
535a	Lisbon	38 43	9 9	95	1006·7	1018·1	+ 1·4	293·9	297·5	10th	287·7	284·9	7th	290·8	290·4	+ 0·6	48	— 35
536	Melilla	35 17	2 59	40	1014·1	1018·8	+ 1·5	296·8	299·5	27th	288·8	284·0	6th	292·8	293·6	— 1·3	9	— 34
536a	Gibraltar	36 6	5 21	16·2	..	1017·9	+ 0·6	295·3	299·1	26th	288·8	285·8	5th	292·1	291·8	+ 0·2	41	— 43
	Colomb-Béchar	31 36	2 4	769	929·5	1015·6	..	299·7	303·1	2nd	286·9	283·1	19th	293·3	292·8	..	7	..
		N. °	W. °	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1014·5	1017·2	+ 0·2	296·4	300·0	13th	287·3	282·2	5th	291·9	..	0·0	53	− 36
538	Algiers (Bouzaréah)	36 47	3 2	344	977·5	1017·5	+ 1·2	294·1	299·8	18th	288·9	286·7	5th	291·5	*291·0*	+ 0·4	39	..
538*a*	Gadames	30 9	9 30	351	..	..	..	305·7	312·0	2nd	286·8	279·0	17th	296·3	..	..	0	..
539	Tunis	36 48	10 10	21	1014·1	1016·6	..	298·2	303·3	4th	289·6	285·6	22nd	293·9	*293·7*	+ 1·4	29	− 43
539*a*	Malta	35 54	14 31	56·4	..	1017·0	+ 1·1	297·2	299·6	19th	292·7	290·2	17th, 24th	294·9	*294·0*	+ 0·3	125	+ 52
540	Riposto	37 41	15 14	14·2	..	1019·6	+ 1·9	296·2	298·0	4th, 7th	289·9	288·0	16, 17, 18	293·1	*292·7*	− 0·1	61	+ 25
541	Athens	37 58	23 43	107	1005·1	1017·7	+ 0·8	295·8	302·6	5th	288·5	282·3	17th	292·1	291·5	− 0·4	62	+ 7
542	Alexandria	31 12	29 53	32·0	1012·7	1016·4	+ 0·4	302·2	306·5	3rd	294·0	288·8	17th	298·1	*297·3*	+ 0·9	9	− 16
543	Nicosia (P.W.D.)	35 9	33 22	159	996·2	1014·4	− 0·6	300·3	306·3	5th, 6th	288·1	283·0	28th	294·2	..	+ 0·3	57	+ 5
544	Beirut	33 54	35 28	33·7	..	1015·3	0·0	299·8	303·7	31st	293·4	288·7	27th	296·6	*296·6*	0·0	84	+ 31
545	Hinaidi	33 17	44 29	32·3	..	1012·8	− 0·7	306·1	311·9	2nd, 12th	287·6	279·7	30th	296·8	*298·4*	..	5	− 47
546	Lenkoran	38 46	48 52	−20·0	1022·8	1020·4	− 0·1	..	298·1	2nd	285·5	277·4	31st	..	*288·4*	− 1·0	249	+ 197
547	Tehran	35 41	51 25	1220	..	..	..	296·9	300·5	3rd, 4th	286·1	276·4	30th	291·5	*291·5*	+ 0·6	16	− 16
548	Meshed	36 16	59 35	946	883·4	..	..	295·8	301·6	19th	276·2	273·7	7th	286·0	..	− 0·4	0	− 15
549	Seistan	31 0	61 30	610	..	..	..	303·2	307·1	5th	286·1	282·0	2nd	294·6	..	..	0	− 7
550	Quetta	30 11	67 3	1677	836·1	..	− 0·1	298·4	301·4	9th	276·4	274·7	17th	287·4	*287·4*	+ 0·5	0	− 5
551	Peshawar	34 2	71 37	339	973·2	1012·3	− 1·2	305·4	310·4	6th	287·7	285·9	21st	296·6	*295·8*	+ 0·8	0	− 5
551*a*	Lahore	31 34	74 20	214	986·1	1010·6	− 0·8	307·3	310·7	7th	289·3	287·6	22nd, 24th	298·3	*297·6*	+ 0·3	0	− 5
552	Simla	31 7	77 8	2204	783·3	..	− 0·2	290·4	294·4	13th	284·7	281·8	24th	287·6	*287·6*	+ 0·4	41	+ 33
552*a*	Leh	34 10	77 42	3503	670·0	..	+ 0·9	288·4	291·8	13th	272·7	267·2	20th	280·6	*279·7*	+ 0·6	1	− 1
559	ϕHankow	30 35	114 17	37·0	1016·1	1020·5	+ 0·3	295·8	305·0	15th	287·6	280·6	17th	291·7	*291·5*	+ 0·1	34	− 5
560	ϕTientsin	39 10	117 10	5·0	1020·3	1020·9	+ 0·4	291·6	302·0	1st	281·5	272·3	24th	286·5	*286·5*	− 0·5	8	− 5
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1019·6	+ 0·5	296·7	302·6	3rd	287·0	276·8	29th	291·9	290·7	+ 0·2	66	− 22
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1012·1	1020·3	+ 1·3	292·4	299·1	1st	281·6	273·0	25th	287·0	286·7	− 0·6	22	− 22
562*a*	Nagasaki	32 44	129 52	133	1001·4	1017·0	+ 0·2	295·7	302·3	3rd	287·5	281·6	29th, 30th	291·6	291·3	+ 0·3	84	+ 39
563	Kyoto	35 1	135 44	42·9	1013·0	1018·1	+ 1·6	294·7	301·0	3rd	284·1	275·6	26th	289·4	288·7	− 1·4	66	+ 21
564	Tokyo	35 41	139 46	5·8	1017·8	1018·5	+ 1·7	292·5	299·9	4th	284·5	277·7	27th	288·5	288·4	− 0·4	261	+ 216
565	Kanayama	37 53	140 46	24·6	1015·4	1018·4	+ 1·4	291·0	300·1	4th	279·6	271·5	26th	285·3	284·8	− 1·7	49	− 1
566	Miyako	39 38	141 59	30·4	1013·9	1017·6	+ 0·9	291·2	298·5	4th	279·4	272·1	31st	285·3	284·7	− 0·9	60	− 1
		N.	E.															

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·6	+ 2·2	300·5	303·0	7th	293·7	291·3	3rd	297·1	*296·6*	..	88	..
605	Honolulu	21 19	157 52	11·6	1016·1	1017·4	+ 1·4	300·4	301·3	..	295·5	293·6	..	297·9	*297·8*	0·0	47	− 86
614	La Paz	24 10	110 20	12	1009·7	1011·1	..	304·3	307·4	1st	294·2	290·5	30th	299·2	*298·6*	..	0	− 43
615	Chihuahua	28 38	106 4	1423	860·9	1013·4	..	297·3	302·5	4th	283·0	280·0	1st	290·1	*292·3*	+ 0·3	22	− 86
616	Leon	21 7	101 41	1809	824·5	1014·7	+ 2·5	299·8	302·6	12th	281·3	277·4	18th	290·5	*290·8*	− 0·2	12	− 10
616*a*	Monterry	25 40	100 18	528	956·0	1015·7	+ 1·4	299·7	305·0	3rd	290·5	284·4	24th	295·1	*294·3*	− 0·2	210	+ 156
617	Tulancingo	20 5	98 22	2181	791·5	1011·9	..	293·2	298·0	3rd	281·0	276·0	26th	287·1	*286·3*	− 1·4	66	− 74
618	Galveston	29 18	94 50	16·5	1016·7	1018·6	+ 1·6	299·1	302·4	20th	293·2	284·1	25th	296·2	*295·9*	+ 0·9	1	− 86
618*a*	New Orleans	29 57	90 4	16·2	..	1018·6	+ 1·7	299·3	303·6	4th	291·2	284·1	24th	295·2	*294·3*	+ 0·3	0	− 86
619	Merida, Yuc.	20 58	89 38	22	1010·4	1012·9	− 0·7	302·1	305·2	9th	295·4	292·8	26th	298·7	*297·5*	− 0·4	88	+ 52
620	Havana	23 8	82 21	24·3	..	1012·4	− 1·0	302·4	305·0	1st	296·3	295·0	1, 25, 26	299·3	*298·8*	+ 0·1	228	+ 192
620*a*	Key West	24 33	81 48	6·7	1011·8	1012·5	− 1·3	301·2	304·1	9th	296·2	294·1	18th	298·7	*298·3*	− 0·3	319	+ 283
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	304·1	..	..	296·6	..	..	300·3	*300·3*	+ 0·8	191	+ 155
622	Watling Island	24 6	74 26	33·5	..	1011·6	− 1·6	..	304	23rd, 27th	..	297	17th, 18th	..	*299·6*	..	..	..
633	Port Etienne	20 56	17 3	4	1013·1	1013·6	..	302·6	309·0	30th	289·9	288·5	26th	296·3	*294·0*	..	0	− 1
634*m*	Izaña	28 19	16 30	2367	770·5	..	..	287·1	293·0	29th	278·5	272·0	16th	282·8	*282·8*	+ 0·9	122	+ 96
634	La Laguna	28 28	16 20	547	953·9	1016·6	+ 0·9	295·6	300·9	31st	287·0	283·8	23rd	291·3	*290·7*	− 0·5	47	− 21
636	Adrar	27 36	W 0 4	168	..	..	..	308·0	313·3	1st, 8th	289·3	284·5	31st	298·7	*300·0*	..	13	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	303·2	306·8	2nd	289·4	285·7	20th	296·3	..	..	0	..
641	Siwa	29 12	25 29	−23	1018·6	1015·8	..	..	..	..	287·8	283·0	9, 19, 20	..	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	1002·2	1015·4	+ 0·8	302·8	307·3	3rd	291·5	286·5	19th	297·1	*296·8*	+ 0·3	0	− 1
643*a*	Aswan	24 2	32 53	99·6	1000·8	1011·9	+ 0·6	309·5	313·5	24th	292·6	287·0	20th	301·0	*300·8*	+ 0·2	..	..
644	Tor	28 14	33 37	1·9	1012·4	1012·6	+ 0·1	301·6	304·4	10th	292·4	289·0	30th	297·0	*297·5*	+ 0·7	0	− 1
647	Bushire	28 59	50 53	4·3	1011·3	1011·8	− 1·3	305·2	307·6	21st	296·2	292·8	31st	300·7	*300·0*	+ 1·3	20	+ 19
648	Jask	25 44	57 47	4·0	1012·0	1012·5	0·0	306·3	310·6	1st	297·6	294·6	29th	301·9	*301·2*	+ 0·5	0	− 1
649	Karachi	24 53	66 57	4·0	1011·7	1012·2	+ 0·3	303·2	308·1	22nd	295·6	292·2	31st	299·4	*298·7*	− 0·5	0	− 1
650	Jacobabad	28 17	68 29	56·7	1004·6	1011·1	+ 0·1	310·2	313·8	11th	290·9	288·4	30th	300·6	*299·8*	+ 0·3	0	− 1
651	Jaipur	26 56	75 52	436	963·2	1012·2	− 0·2	305·2	308·4	12th	290·7	288·0	25th	297·9	*297·1*	− 1·4	115	+ 94
652	Nagpur	21 8	79 5	310	976·4	1011·4	− 0·4	304·1	306·1	8th	293·1	288·9	30th	298·6	*298·1*	− 0·7	123	+ 102
653	Allahabad	25 25	81 51	94·2	1000·6	1010·9	+ 0·1	305·4	307·5	5th	294·4	289·9	28th	299·9	*299·1*	+ 0·6	23	− 1
653*a*	Darjeeling	27 3	88 18	2265	778·4	..	0·0	290·9	294·4	9th	284·5	281·1	25th	287·7	*287·7*	+ 1·6	78	+ 54
654	Calcutta	22 36	88 23	6·4	1009·2	1010·0	− 1·0	304·4	308·1	6th	297·7	295·1	31st	301·1	*300·7*	+ 1·1	83	+ 59
655	Gauhati	26 8	91 41	59·7	1003·8	1010·8	− 1·9	304·6	306·9	12th	295·7	291·3	29th	300·1	*299·4*	+ 1·0	2	− 22
655*m*	Cherrapunji	25 15	91 42	1313	870·0	..	0·0	296·2	299·9	9th	289·6	287·1	30th	292·9	*292·3*	+ 1·0	192	+ 168
655*a*	Akyab	20 11	92 56	6·1	1008·9	1009·6	− 1·5	303·7	306·4	3rd, 4th	297·9	295·9	20th	300·8	*300·4*	+ 0·1	541	+ 517
656	Mandalay	21 59	96 0	76·2	1002·4	1010·9	− 0·7	306·7	311·7	5th	297·4	294·5	31st	302·1	*301·7*	+ 0·6	128	+ 104
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	295·3	299·7	4th	286·6	279·7	31st	290·9	*290·1*	+ 1·1	173	+ 149
657	Phu Lien	20 48	106 38	116	999·1	1012·4	− 0·9	301·6	306·9	3rd	294·6	289·0	30th	298·1	*297·5*	− 0·2	68	+ 44
658	Moncay	21 31	107 51	9·0	1011·7	1012·8	− 0·8	302·0	306·8	3rd	294·4	289·0	21st	298·2	*297·9*	+ 0·1	179	+ 155
659	Hongkong	22 18	114 10	33·2	..	1012·3	− 1·3	300·3	304·6	3rd	295·6	290·8	30th	297·9	297·7	+ 0·1	231	+ 207
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1013·3	1014·4	− 0·4	300·7	305·0	3rd	294·3	290·0	29th	297·5	296·8	+ 0·9	139	+ 115
661*a*	Basco	20 28	121 59	18·7	..	1007·9	− 1·9	301·5	306·5	11th	297·4	?293·8	13th	299·5	299·5	− 0·1	445	+ 421
662	Naha	26 13	127 41	8·2	1012·4	1013·6	+ 1·6	300·2	302·6	8th, 9th	295·1	291·2	26th	297·6	297·4	+ 0·5	111	+ 87
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1013·7	1014·1	+ 0·4	301·7	303·5	8th	295·9	293·1	11th, 17th	298·8	298·3	− 0·1	47	− 23
		N.	E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	956·3	1011·9	..	304·4	306·9	7th	292·6	289·5	23rd	298·5	*297·3*	+ 1·0	46	..
716	Morelia	19 42	101 7	1923	..	..	..	294·9	297·8	31st	284·4	280·6	1st	289·6	*288·7*	− 0·3	15	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	..	+ 0·5	294·8	298·5	4th	280·3	274·6	26th	287·5	287·0	− 0·6	8	− 43
718	Salina Cruz	16 12	95 12	56	1004·9	1011·3	− 0·6	303·3	304·6	5th	296·2	294·0	27th	299·7	*299·8*	− 0·1	0	− 86
719	San Salvador	13 42	89 12	682	936·0	1011·7	0·0	303·2	305·4	6th	290·8	287·0	25th	297·0	*295·3*	− 0·6	268	+ 1
720	Belize	17 29	88 12	5·2	1011·2	1011·8	0·0	302·8	305·2	9th, 13th	293·6	290·8	25th	298·2	*297·6*	− 1·7	185	− 76
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1011·0	− 0·1	303·5	306·2	29th	295·7	292·4	24th	299·6	*299·4*	0·0	173	− 33
722	Port au Prince	18 33	72 20	37·4	1007·9	1012·2	0·0	305·1	307·4	29th	294·9	292·8	6th	300·0	*299·3*	− 0·1	176	+ 9
723	Caracas	10 30	66 56	1042	898·8	1013·0	+ 0·7	297·8	300·2	1st	288·6	286·9	16th, 25th	293·2	*292·5*	− 0·7	171	+ 74
723*a*	Montserrat	16 41	62 9	39·6	1008·0	1012·5	− 0·9	303·4	305·8	20, 21, 31	296·7	294·1	2nd, 20th	300·1	*299·6*	+ 0·2	207	+ 5
724	San Juan, Porto Rico	18 29	66 7	25·0	1009·9	1012·5	− 0·3	302·5	306·3	22nd	296·4	295·2	5th	299·4	*298·9*	− 0·2	144	− 11
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡993·5	‡1011·5	+ 0·2	302·4	304·7	1st, 23rd	296·8	294·7	5th, 29th	299·6	*299·0*	− 0·1	299	+ 103
725	ϕBarbados	13 8	59 36	55·2	..	1012·3	0·0	302·4	304·4	9th	..	..	..	..	*299·0*	+ 0·1	209	+ 15
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·6	1013·9	+ 0·5	300·8	302·0	4th	294·5	292·0	26th	297·7	*298·6*	− 0·2	0	− 30
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	301·5	303·8	29th	296·7	295·3	30th	299·1	*299·3*	− 0·6	1	− 31
733	Dakar	14 40	17 26	32	1009·3	1013·0	..	303·5	309·2	28th	296·8	293·2	24th	300·1	*300·0*	− 1·0	0	− 50
734	Bathurst	13 27	16 34	1·8	1013·4	1013·6	+ 0·5	304·2	305·2	4th, 5th	295·8	294·1	10, 17, 18	300·0	*300·4*	− 0·2	20	− 73
734*a*	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	308·6	..	..	294·7	..	..	..	..	21	− 43
735	Niénébalé	12 57	7 26	300	..	..	..	306·5	309·0	28th	293·6	289·6	28th	300·1	*299·8*	..	14	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	312·2	315·5	12th	296·6	292·9	23rd	304·4	*303·7*	− 0·2	0	− 3
737	Sokoto	13 2	E 5 14	353	..	..	..	309·7	311·3	10th, 30th	?295·1	?294·1	6, 14, 19	?302·4	*?301·7*	+ 0·8	0	− 15
738	ϕKaduna Capital	10 32	7 25	637	944·6	1015·9	+ 0·7	303·8	305·8	14th	293·9	291·3	20th	298·9	*298·2*	+ 0·7	26	− 36
739	Hadejia	12 40	10 5	?	..	..	..	310·1	314·1	7th	..	..	..	..	*‡302·7*	+ 0·2	0	− 8
740	Maiduguri	11 47	13 11	361	..	..	..	309·6	312·4	6th, 26th	295·1	292·4	23rd, 25th	302·3	*301·6*	+ 0·4	2	− 13
741	El Fasher	13 32	25 18	730	..	..	..	309·1	310·5	sev. dates	290·6	286·0	21st	299·8	*299·3*	..	0	..
743	El Obeid	13 11	30 14	569	945·8	1008·0	− 0·6	?310·6	?312·0	25, 26, 31	294·3	291·0	21st	?302·4	*301·5*	+ 1·1	25	+ 7
743*a*	Khartoum	15 37	32 33	390	964·6	1007·6	− 0·5	312·2	314·9	15th	297·4	294·4	21st, 26th	304·8	*304·7*	+ 0·1	0	− 5
744	Port Sudan	19 37	37 13	5·5	1009·6	1010·3	− 0·6	306·6	311·6	9th	298·8	296·3	30th	302·7	*302·0*	+ 0·3	35	+ 27
745	Berbera, Somaliland	10 27	45 2	9·5	1010·1	1011·3	− 1·1	307·6	310·2	12th	296·7	294·1	26th	302·1	*302·6*	− 0·2	0	− 1
746	Aden	12 45	45 3	28·7	1009·2	1012·5	0·0	304·7	306·4	12th	298·7	296·8	22nd	301·7	*300·8*	− 0·1	0	− 2
751	Bombay	18 54	72 49	11·3	1010·8	1012·1	+ 0·6	303·8	305·6	23rd	297·4	295·9	23rd	300·6	299·9	− 0·4	2	− 53
752	Kodaikanal	10 14	77 28	2343	770·8	..	− 0·3	290·7	292·8	14th	283·2	281·8	6th	286·9	*286·1*	+ 0·1	75	−170
752*a*	Bangalore	12 59	77 38	921	911·0	1011·3	+ 0·3	301·7	303·1	24th	291·7	288·4	4th	296·7	*295·9*	+ 0·8	41	−109
753	Madras	13 4	80 14	6·7	1009·7	1010·4	− 0·1	305·4	308·2	8th	297·4	294·8	1st	301·4	*300·7*	+ 0·6	122	−176
754	Vizagapatam	17 42	83 19	11·6	1008·5	1009·9	− 0·6	305·1	309·1	9th	298·4	295·0	25th	301·7	*301·0*	+ 0·8	123	− 57
755	Port Blair	11 40	92 40	18·0	1007·6	1009·7	− 1·1	302·2	303·9	29th	297·4	295·8	14th	299·8	*299·1*	− 0·7	331	+ 50
756	Rangoon	16 46	95 48	5·5	1009·9	1010·6	− 0·9	304·2	306·3	4th	297·4	295·3	19th	300·8	*299·9*	+ 0·1	332	+156
757	Saigon (Cap St. Jacques)	10 45	106 42	180	987·9	1008·4	− 0·6	300·6	303·5	1st	295·9	294·0	21st	298·3	*297·9*	− 0·8	208	− 10
758	Nhatrang	12 15	109 12	3·6	1007·6	1008·0	− 1·8	302·2	306·0	1st, 2nd	295·9	293·3	24th	299·1	*298·7*	− 0·5	902	+556
759	Bolinao	16 23	119 53	7·1	..	1006·2	− 1·2	304·2	306·5	11th	297·0	295·2	20th	300·6	*300·1*	− 0·1	515	+331
761	Vigan	17 34	120 23	12·2	..	1006·3	− 2·3	304·2	306·7	21st	297·2	296·1	30th	300·7	300·5	+ 0·2	248	+ 70
761*a*	Manila	14 35	120 59	14·2	..	1007·9	− 0·9	304·0	306·7	11th	296·4	294·9	15th	300·2	299·3	− 0·3	379	+209
762	Ormoc	11 0	124 36	5·6	..	1007·0	− 1·0	305·5	306·9	14th	296·1	293·9	17th	300·8	*299·8*	+ 0·8	268	+ 31
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1007·7	− 0·1	302·0	304·4	22nd	297·2	295·6	25th	299·6	*299·6*	− 0·4	778	+438
		N.	E.															

OCTOBER—ZONE 8.

Between Latitude 10° N. and 0°

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1012·2	1012·8	..	305·0	308·3	12th	..	..	..	..	*‡302·3*	+ 0·2	45	− 59
822	Colon	9 23	79 23	11·0	..	1010·7	+ 0·1	303·6	308·0	18th	296·7	295·8	3rd	300·1	*299·6*	+ 0·6	548	+164
822*a*	Bogota	4 36	74 5	2645	745·0	..	0·0	291·4	294·5	31st	283·0	280·7	28th	287·2	*286·6*	..	149	− 14
823	Merida, Venez.	8 36	71 9	1641	‡841·0	..	0·0	296·6	298·3	3rd	288·1	286·7	19th	292·4	*291·3*	− 0·2	262	− 10
824	Ciudad Bolivar	8 9	63 33	38	1006·0	1010·3	..	304·1	305·4	2nd, 11th	296·6	293·9	4th	300·3	*299·8*	..	114	+ 29
825	El Peru, Guayanavieja	7 19	61 49	220	984·7	1009·7	+ 0·4	301·9	302·7	6th	293·3	291·9	16th	297·6	*297·0*	− 1·2	168	+ 74
825*a*	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1011·7	+ 0·1	303·0	304·1	8th	296·9	295·2	3rd	299·9	*299·6*	− 0·9	132	+ 56
826	Paramaribo	5 49	55 9	3·7	‡1011·0	‡1011·4	− 0·8	305·2	306·8	28th	295·0	293·4	24th	300·1	*299·7*	− 0·3	119	+ 47
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·9	308·0	30th	295·9	294·0	7th, 27th	300·4	*300·0*	− 0·8	55	+ 21
831	10°—5° N. 30°—25° W.	†† 4	†† 27	6	*§(246-137)*	..	1013·1	+ 0·9	..	..	Sea Temp. 300·0/—0·2							
834	Konakri	9 31	13 43	16	1011·5	1013·3	+ 1·8	302·3	304·0	29th, 30th	294·1	292·0	12th, 22nd	298·2	*297·7*	− 1·1	465	+ 84
835	Freetown, Sierra Leone	8 29	13 14	68·3	1005·3	1013·1	+ 1·5	302·9	304·1	sev. dates	294·4	292·4	25th	298·7	*297·8*	− 1·0	191	−130
836	Assuantsi	5 18	1 15	101	..	..	..	301·7	303·6	13th, 29th	294·0	290·2	8th	297·9	*297·4*	..	149	+ 30
837	Accra	5 33	W 0 12	27·0	1008·6	1011·7	..	301·7	303·6	13th	294·9	294·

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	10	
924	ϕManaos	3 8	60 1	43·8	1005·2	1010·2	..	305·4	308·8	5th, 31st	296·1	294·4	25th, 26th	300·8	*299·6*	— 0·8	213	+ 37
926	Taperinha	2 30	54 20	20·0	1008·5	1010·9	+ 0·3	304·9	306·6	12th	295·4	293·9	25th, 30th	300·2	*299·0*	— 0·3	162	+ 11
927	Turyassu	1 43	45 26	9·1	1009·8	1010·9	— 0·1	305·4	307·2	27th	295·6	293·6	16th	300·5	*299·7*	— 0·2	56	+ 6
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	— 0·3	306·0	309·2	1st	294·0	288·0	2nd, 4th	300·0	*299·6*	— 0·1	82	+ 1
929	Quixeramobim	5 16	39 15	207	989·1	1012·5	+ 0·7	305·1	306·3	23rd, 27th	296·9	295·8	14th, 27th	301·0	*300·5*	— 0·7	9	— 5
930	Fernando Noronha	3 50	32 25	106	1001·0	1012·9	— 0·1	300·7	301·6	31st	297·4	296·4	4th	299·0	*298·6*	+ 0·4	3	
										Sea Temp.								
930a	5°—10° S. 35°—30° W.	††7 27	††33 36	§(47–51)	..	1011·5	..	..	..	299·1	+0·4	..	..	..	..	..	..	..
930b	0°— 5° S. 35°—30° W.	††2 34	††31 39	§(46–50)	..	1010·2	..	..	..	299·0	+0·3	..	..	..	..	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1013·6	1015·4	+ 0·1	301·1	302·4	19th, 28th	294·3	292·4	15th	297·7	*296·9*	+ 0·2	6	— 1
														298·5				
939	ϕLoanda	8 49	E 13 13	51	..	1012·8	+ 0·2	299·0	300·8	23rd	294·4	293·2	6th	296·7	296·3	0·0	0	+ 0
940	Brazzaville	4 17	15 16	321	974·9	1011·1	— 1·1	303·2	309·0	17th	293·4	291·0	11th	298·3	*297·6*	— 1·0	332	
943	ϕMasaka	0 21	31 47	?1280	..	..	..	299·9	301·9	7th	288·0	286·3	3rd	293·9	*294·1*	+ 1·5	155	+ 5
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	29	— 9
944a	Zanzibar	6 10	39 11	21·9	1013·8	1016·3	— 0·3	301·5	303·1	19th, 20th	297·2	296·2	30th	299·3	*298·5*	0·0	30	— 8
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	296·9	296·3	29th	..	..	..	2	+ 10
947	Seychelles, Port Office	4 37	55 27	4·6	1012·1	1013·0	+ 0·4	300·9	302·4	12th	298·3	296·7	21st	299·6	*298·8*	+ 0·3	293	
957	Padang	0 56	100 22	6·7	..	1010·9	— 0·1	..	..	..	..	..	..	..	..	..	489	— 7
958	Batavia	6 11	106 50	8·0	1008·9	1009·8	— 0·4	303·5	305·6	17th	296·3	295·4	9th, 10th	299·9	299·3	— 0·3	296	+ 16
958a	Pontianak	0 1	109 20	2·6	..	1010·4	+ 0·1	..	..	..	..	..	..	..	..	..	396	+ 17
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	49	+ 17
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	226	
962	Amboina	3 42	128 10	4·2	..	1009·4	— 0·8	..	..	..	..	..	..	..	..	..	145	+ 4
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	151	
965	ϕDaru	9 4	143 13	7·6	..	1008·7	— 2·6	302·4	..	..	297·4	..	..	299·9	*299·5*	+ 0·3	34	+ 5
966	Port Moresby	9 29	147 9	39·0	..	1010·4	— 1·1	304·0	..	..	297·7	..	..	300·8	*300·4*	+ 1·2	47	— 2
967	Rabaul	4 9	152 12	20·7	..	1008·7	..	306·3	307·9	2nd	295·5	294·7	10, 22, 24	300·9	*300·2*	+ 0·1	75	— 2
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	?303·9	..	..	?296·9	..	..	?300·4	*?300·2*	0·0	..	— 1
970	Ocean Island	0 52	169 35	54·0	1004·3	1010·5	— 0·2	304·1	305·2	16, 21, 22	298·2	295·2	28th	301·1	*300·3*	+ 0·1	58	
		S.	E.															

OCTOBER—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	+ 0·4	302·6	304·5	22nd	295·9	294·4	11th	299·3	299·1	+ 0·1	205	+ 4
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	302·7	305·2	6th	292·8	287·4	2nd	297·7	*297·5*	+ 0·1	104	
1021	Arequipa	16 22	71 33	2452	762·1	..	+ 1·2	293·6	295·6	20th	282·0	278·5	18th	287·8	*287·2*	+ 0·4	2	
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	..	..	..	..	*289·2*	..	5	
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	
1025	Corumba	18 59	57 39	116	998·2	1011·2	+ 1·8	305·1	310·8	23rd, 31st	291·7	283·4	11th	298·4	*298·5*	— 0·7	38	
1026	Cuyaba	15 36	56 6	165	991·8	1010·5	+ 1·0	307·1	312·5	18th	291·7	286·6	13th	299·4	*298·8*	— 1·2	34	
1027	Bello Horizonte	19 55	43 57	895	914·0	1013·1	+ 0·4	300·0	307·0	25th	288·7	285·0	17th	294·4	*293·2*	— 1·0	133	
1028	Caetite	14 3	42 37	897	915·5	1015·9	+ 0·5	299·4	305·2	21st	289·6	286·2	2nd	294·5	*294·0*	— 2·1	166	
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·5	1013·9	— 0·1	299·9	302·0	24th	294·6	292·8	14th, 15th	297·2	*297·0*	— 0·5	177	
1030	Aracaju	10 55	37 3	6·1	1014·7	1015·5	+ 0·6	300·6	301·8	23rd	295·3	293·1	8th	298·0	*298·2*	— 0·7	8	
										Sea Temp.								
1030a	15°—20° S. 40°—35° W..	††17 14	††37 51	§(81–89)	..	1014·2	..	..	..	..	297·2	−0·1	..	..	..	..	..	..
1030b	10°—15° S. 40°—35° W..	††12 25	††36 16	§(64–73)	..	1012·2	..	..	..	..	298·2	−0·1	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	604	945·3	1014·5	— 0·6	292·4	294·1	18th	285·7	284·7	4th, 28th	289·1	*288·6*	+ 1·2	77	
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	298·0	19th	..	284·5	1st, 24th	..	*291·2*	..	0	
1041	Livingstone	17 51	25 51	972	904·7	1008·6	..	307·2	311·8	6th	292·8	288·6	12th	300·0	..	..	48	
1041a	Elisabethville	11 39	27 28	1236	877·5	1008·8	+ 0·9	305·7	307·2	1st	288·2	282·8	1st	297·0	..	+ 0·3	154	
1042	Gwelo	19 28	29 48	1417	..	..	..	303·1	308·0	1st	287·7	282·4	10th	295·4	..	+ 0·9	40	
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	853·0	1008·6	— 1·4	301·1	305·9	15th	287·4	283·6	10th	294·3	293·1	— 0·2	48	
1044	Zomba	15 23	35 18	955	907·4	1011·7	— 0·1	302·6	306·3	20th	290·2	285·2	11th	296·4	*295·8*	0·0	22	
1044a	Mossuril	14 57	40 40	15	..	*1014·4*	..	303·9	307·6	21st	293·9	290·5	12th, 13th	298·9	298·4	..	24	
1045	Antananarivo	18 55	47 33	1375	865·5	1013·7	— 0·6	299·2	302·8	28th	283·8	279·0	5th	291·5	291·4	— 0·1	62	
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	30	
1047	Vohémar	13 21	50 1	3	..	1005·9	..	303·9	306·0	..	293·1	290·5	..	298·5	*297·8*	..	15	
1048	Antalaha	14 58	50 19	3	..	1013·8	..	..	..	..	..	..	..	..	..	..	1	
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1014·3	1014·8	— 0·1	301·7	303·5	13th	296·9	294·9	29th	299·3	*298·9*	— 0·3	31	
1057	Christmas Island	10 25	105 43	5·5	1008·8	1009·4	— 0·6	303·4	305·2	7, 11, 12	295·9	293·0	24th	299·6	*299·1*	— 0·6	136	
1061	Kupang	10 10	123 34	45·1	..	1010·3	— 0·8	306·1	308·7	2nd	296·1	294·4	22nd	301·1	*300·8*	+ 0·6	6	
1061a	Derby	17 18	123 40	16·2	1008·7	1010·8	— 0·6	307·7	312·4	23rd	295·4	289·0	6th	301·6	..	— 0·5	0	
1062	Hall's Creek	18 13	127 46	373	968·6	1009·2	— 1·7	308·3	312·6	26th	293·5	284·1	7th	300·9	*300·3*	— 0·7	5	
1063	Darwin	12 28	130 51	29·6	1006·8	1010·2	0·0	306·8	309·7	8th	298·5	294·6	23rd	302·7	*301·6*	+ 0·1	86	
1064	Daly Waters	16 16	133 23	211	983·9	1007·8	— 2·0	311·7	314·7	26, 27, 30	295·2	284·1	1st	303·4	*302·8*	+ 0·5	3	
1065	Mein	13 13	142 47	122	995·5	1009·2	— 1·4	306·8	309·7	22nd, 31st	293·4	290·2	30th, 31st	300·1	*299·2*	— 0·2	7	
1066	ϕGeorgetown, Queensland	18 22	143 32	302	978·2	1011·8	— 0·6	307·8	311·6	17th	292·9	283·6	9th	300·3	..	— 0·2	15	
1066a	Willis Island	16 18	149 59	8·5	1011·4	1012·3	..	301·5	303·2	8th	296·8	295·1	9th	299·2	*298·8*	..	9	
1067	Samarai	10 37	150 40	15·2	..	1010·9	— 0·5	302·2	..	..	296·9	..	..	299·5	*299·3*	+ 0·5	325	
1072	ϕSuva, Fiji	18 8	178 26	6·1	1013·5	1014·2	— 0·4	300·2	303·6	9th	293·6	291·1	3rd, 19th	296·9	*296·7*	— 0·4	319	
		° S.	° E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	299·9	303·3	23rd	293·0	288·0	2nd, 3rd	296·4	*296·2*	+ 0·7	171	+ 37
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·4	1017·7	+ 0·6	289·2	292·4	19th	284·8	283·7	3rd, 7th	287·0	*286·8*	+ 0·3	0	— 1
1122	Iquique	20 12	70 11	9	1015·9	1017·0	+ 0·9	292·9	297·3	24th	286·0	284·5	2nd	289·5	*290·0*	— 0·2	9	0
1123	Catamarca	28 27	65 47	510	956·2	1013·8	+ 3·3	301·4	310·2	31st	287·6	281·2	10th	294·5	*294·2*	— 0·6	39	+ 11
1124	Salta	24 46	65 28	1178	885·4	1014·4	+ 3·5	297·2	306·0	17th	283·9	278·1	2nd	290·6	*291·1*	— 1·1	55	+ 23
1125	Goya	29 9	59 15	26	1013·3	1016·4	+ 4·3	300·5	307·2	17th	285·0	277·5	10th	292·8	*292·8*	0·0	10	— 103
1126	ϕAsuncion	25 17	57 41	93	1004·8	1015·6	+ 3·5	302·8	311·0	17th, 18th	287·6	278·0	11th	295·2	*294·9*	— 0·8	91	— 58
1127	Curityba	25 25	49 17	908	914·2	1016·7	+ 0·5	295·0	301·7	18th	280·7	274·8	11th	287·8	*286·8*	— 2·1	26	— 117
1128	Rio de Janeiro	22 54	43 10	18·3	1014·0	1016·1	+ 1·6	296·0	300·4	31st	290·4	287·4	13th	293·2	293·0	— 1·5	87	+ 4
										Sea Temp.							
1128a	25°—30° S. 50°—45° W..	††27 31	††47 39	§(61–63)	..	1015·2	..	..	..	291·5	−1·7	..	..	..	..	..	..	..
1128b	20°—25° S. 45°—40° W..	††22 19	††41 37	§(55–61)	..	1014·9	..	..	..	294·8	+0·2	..	..	..	294·7	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	300·2	303·7	31st	287·2	282·5	26th	293·7	*293·9*	— 0·6	44	+ 33
1141a	ϕJohannesburg	28 42	24 47	1202	881·6	1012·0	— 0·5	301·3	306·3	30th	284·2	278·7	16th	292·7	292·6	+ 0·2	20	— 6
1142	Bulawayo	26 11	28 4	1806	822·5	1014·2	— 0·5	295·5	300·9	31st	283·7	278·6	8th	289·6	*289·3*	— 0·5	58	— 7
1143	Durban	20 9	28 35	1340	868·3	1011·4	— 0·6	301·1	307·2	16th	287·9	283·6	10th	294·5	*294·2*	— 0·9	25	+ 2
1144	Lourenço Marques	29 52	31 3	15·2	1016·3	1018·1	— 0·5	295·5	299·4	23rd	290·1	286·0	16th	292·8	*292·2*	— 0·4	88	— 43
1145	Tuléar	25 58	32 36	59	..	1016·0	— 1·0	300·1	308·4	24th	290·6	286·4	3rd	295·3	294·6	— 0·5	8	— 51
1146	Fort Dauphin	23 23	43 40	4	..	..	..	..	..	..	285·2	283·8	..	..	..	..	19	..
1147	Mauritius	25 2	46 58	25	..	1006·2	..	..	..	..	285·3	281·0	..	..	..	..	109	..
1159	Onslow	20 6	57 33	55·2	1010·6	1017·1	— 1·1	298·5	300·4	11th	289·5	285·9	22nd	294·0	293·7	— 1·5	82	+ 47
1160	Cue	21 43	114 57	4·3	1010·3	1011·3	— 1·4	303·7	307·4	8th, 11th	287·3	284·1	8th	295·5	..	— 1·4	0	— 1
1160	ϕNullagine	27 27	117 52	454	960·7	1011·9	— 1·8	298·7	305·7	21st	284·3	279·1	6th	291·5	..	— 2·0	2	— 4
1162	ϕLaverton	21 53	120 5	386	966·4	1009·1	— 2·2	305·8	309·3	22nd, 23rd	288·3	280·2	9th	297·0	..	— 1·9	0	— 5
1163	Alice Springs	28 40	122 23	466	958·4	1010·9	— 3·6	299·7	306·1	1st, 22nd	284·5	277·1	4th	292·1	*292·0*	— 0·8	3	— 4
1164	William Creek	23 38	133 37	587	944·2	1008·9	— 3·2	304·0	311·9	26th	287·8	276·7	9th	295·9	*295·9*	0·0	24	+ 5
1164a	ϕBoulia	28 55	136 21	76·2	1001·4	1010·2	— 4·3	300·8	314·7	27th	286·0	277·4	6th	293·4	*293·1*	— 0·9	18	+ 8
1165	Thargomindah	22 55	139 38	146	992·0	1008·5	— 3·1	308·1	315·4	16th	291·9	282·9	1st	300·0	*300·0*	+ 0·9	9	— 4
1166	Mitchell	27 58	143 43	123	996·6	1010·8	— 3·0	302·5	313·1	27th	288·3	280·3	1st	295·4	*295·1*	— 0·1	22	+ 1
1167	Rockhampton	26 32	147 52	336	974·3	1012·0	— 2·7	299·8	307·3	16th	285·7	277·2	1st	292·8	..	— 0·5	127	+ 92
1168	Brisbane	23 24	150 30	11·3	1011·4	1012·9	— 2·6	303·2	307·0	17th	290·7	283·2	1st	296·9	*296·1*	+ 0·1	47	— 1
1170	Norfolk Island	27 28	153 2	41·8	1009·2	1013·6	— 2·4	299·1	303·4	29th	289·1	283·3	9th	294·1	*293·5*	+ 0·1	42	— 24
		29 4	167 59	15·2	..	..	..	..	..	..	..	..	..	..	..	..	109	+ 7
		S.	E.															

Between Latitude 30° S. and 40° S. OCTOBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	979·2	1020·3	..	290·5	292·6	3rd	282·8	281·1	10th	286·7	*285·1*	..	27	..
1221a	ϕPunta Tumbes	36 37	73 6	120	1003·5	1018·0	+ 0·2	289·4	296·0	20th	282·1	280·0	2nd, 7th	285·7	*285·4*	+ 1·0	3	— 16
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1012·8	1017·8	0·0	291·5	299·5	19th	283·8	282·0	3rd	287·7	*287·0*	— 0·1	1	— 10
1222a	Santiago	33 27	70 42	520	955·5	1015·6	— 0·8	297·8	304·7	3rd, 20th	280·9	278·7	9th	289·3	*288·2*	+ 1·8	3	— 10
1223	Cordoba	31 25	64 12	423	967·9	1016·7	+ 2·9	299·3	307·3	4th	283·1	277·1	10th	291·2	290·9	+ 0·5	27	— 33
1224	Bahia Blanca	38 45	62 15	25	1016·9	1020·0	+ 4·2	294·3	302·2	1st	280·9	272·5	11th	287·6	*287·3*	— 0·6	41	— 18
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1017·5	1020·4	+ 4·0	293·4	301·8	2nd	282·5	272·2	11th	288·0	287·9	— 0·6	15	— 73
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1019·6	+ 3·0	..	298·0	31st	..	280·4	10th, 11th	..	*286·5*	— 1·5	21	— 54
1226a	ϕPorto Alegre	30 2	51 13	23·5	1014·9	1017·7	+ 1·4	295·1	302·9	18th	284·6	278·2	11th	289·9	289·4	— 1·8	29	— 48
										Sea Temp.							
1226b	30°—35° S. 55°—50° W..	††32 38	††50 55	§(66–67)	..	1017·7	..	..	..	286·8	−2·4	..	..	..	286·9	..	..	..
1239	ϕCape Town	33 56	W. E 18 29	12·2	..	1017·2	— 0·2	293·6	298·7	9th	284·0	277·3	26th	288·8	*287·8*	— 0·4	46	+ 4
1240	Danger Point	34 37	19 18	27·7	1012·1	1015·4	..	290·9	295·2	28th	284·8	280·2	2nd	287·9	..	— 0·5	41	— 8
1241	Riversdale	34 6	21 16	?100	..	..	..	296·2	306·9	28th	283·2	276·3	16th	289·7	..	..	22	— 18
1242	East London	33 2	27 55	44·8	..	1017·3	+ 0·2	294·9	297·9	11th	286·1	282·2	16th	290·5	..	— 0·1	25	— 43
1259	Perth (Observatory)	31 57	115 51	60·0	1006·9	1014·1	— 2·8	291·8	298·8	21st	283·5	277·7	5th	287·7	*287·5*	— 1·3	140	+ 84
1260	Katanning	33 42	117 35	310	975·6	1012·3	— 3·4	290·0	298·0	22nd	279·5	273·4	2nd	284·8	..	— 2·1	38	— 2
1261	ϕCoolgardie	30 57	121 10	423	962·5	1010·8	— 4·0	296·4	304·0	25th	282·2	275·1	3rd	289·3	*289·2*	— 1·3	19	2
1262	Eucla	31 45	128 58	4·6	1008·6	1009·2	— 6·0	295·8	305·8	9th, 13th	284·3	277·4	8th	290·1	*289·6*	+ 0·1	14	— 4
1263	ϕStreaky Bay	32 48	134 13	13·1	1008·6	1010·0	— 5·7	295·8	305·8	26th	284·7	279·7	4th, 22nd	290·2	*289·6*	+ 0·3	76	+ 52
1264	Adelaide	34 56	138 35	42·7	1005·0	1010·0	— 5·8	295·4	304·7	26th	284·1	278·1	22nd	289·7	*289·4*	0·0	51	+ 7
1265	Melbourne	37 49	144 58	35·1	1005·2	1009·4	— 5·4	292·2	300·0	14th	282·2	278·0	2, 16, 23	287·2	*287·0*	— 0·1	100	+ 33
1266	Bourke	30 13	145 58	110	1002·2	1015·1	— 3·0	301·1	311·3	27th	285·1	278·0	1st	293·1	..	— 1·3	37	+ 11
1267	Sydney	33 51	151 13	42·1	1006·0	1010·9	— 3·8	296·2	305·0	15th	286·2	281·0	1st	291·2	*290·9*	+ 0·6	32	— 40
1268	Lord Howe Island	31 20	159 0	4·6	1013·4	1014·1	— 2·7	294·4	297·0	29th	287·7	281·4	24th	291·1	..	— 0·2	61	— 71
1271	Auckland	36 50	174 50	38·1	..	1009·4	— 5·7	290·6	294·7	18th	284·4	280·8	20th	287·5	..	+ 0·5	144	+ 52
1272	ϕNapier	39 29	176 55	1·5	..	..	..	291·3	296·6	30th	282·7	279·4	4, 15, 23	287·0	..	— 0·2	76	+ 18
		S.	E.															

Between Latitude 40° S. and 50° S. OCTOBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		S.	W.															
1321	Chatham Island	43 57	176 31	45·7	..	1002·9	..	..	..	..	..	..	..	..	..	..	42	— 15
1322	ϕIsla Guafo	43 34	74 45	140	1002·3	1019·3	+ 1·1	286·1	296·5	10th	279·4	277·6	5th, 31st	282·7	*283·1*	+ 1·2	40	— 16
1323	Punta Galera	40 1	73 44	40	1014·3	1019·2	+ 0·4	286·8	297·2	9th	282·0	280·2	3rd	284·4	*284·8*	+ 1·1	62	— 40
1324	Sarmiento	45 30	69 0	274	984·6	1015·2	+ 1·7	295·0	302·4	27th	280·0	271·0	9th	287·5	*287·4*	+ 2·9	5	— 3
	Puerto Madryn	42 49	W64 58	14	1017·2	1018·6	+ 3·9	292·4	301·2	13th	280·2	270·5	10th	286·3	*286·4*	+ 0·4	22	+ 3
1365	Launceston	41 27	E147 10	10·1	1003·3	1004·5	— 7·0	290·3	295·7	20th	280·1	274·1	22nd	285·2	*284·4*	+ 0·1	80	+ 12
1370	Hobart	42 53	147 20	53·9	996·5	1003·0	— 7·1	289·6	299·7	14th	280·7	276·4	8th	285·1	*284·3*	— 0·2	67	+ 10
1371	Invercargill	46 25	168 21	3·7	..	..	..	289·7	296·9	16th	280·2	270·8	31st	284·9	..	+ 1·2	78	— 35
1371a	Dunedin	45 52	170 31	91·4	..	1004·6	— 4·5	288·7	300·8	16th	281·5	276·3	30th	285·1	..	+ 1·6	183	+106
1372	Christchurch	43 31	172 39	7·6	..	1004·5	— 6·2	290·7	301·6	17th	280·8	274·4	24th	285·7	..	+ 1·0	96	+ 55
	Wellington	41 16	174 46	3·0	..	1006·6	— 5·8	290·2	292·4	15th	283·8	280·0	12th	287·0	..	+ 1·6	116	+ 12
		° S.

OCTOBER—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas .	52 24	75 6	55	1007·1	1013·9	+ 7·8	281·2	285·0	26th, 27th	277·8	275·4	7th	279·5	*279·2*	+ 0·6	130	— 100
1422	Puerto de Punta Arenas .	53 10	70 54	28	1008·3	1011·7	+ 6·5	285·1	291·6	23rd	278·0	274·5	14th	281·5	*281·7*	+ 2·1	31	+ 11
1423	ϕPunta Dungeness . .	52 24	68 26	5	1010·4	1011·0	+ 7·5	283·1	290·6	23rd	276·2	274·0	14th	279·7	*280·2*	+ 0·4	18	+ 7
1424	Santa Cruz . . .	50 11	68 21	12	1011·9	1012·8	+ 4·0	290·9	302·6	28th	278·5	272·5	10th	284·7	*284·1*	+ 1·8	19	+ 1
1424*a*	Año Nuevo . . .	54 39	64 8	50	1001·5	1007·7	+ 6·3	283·2	290·0	20th	275·4	272·0	14th	279·3	*278·4*	+ 0·5	34	..
1425	Stanley, Falkland Is. .	51 42	57 51	1·8	..	1012·3	..	283·0	288·0	12th, 27th	275·6	272·4	10th, 15th	279·3	..	..	26	— 12
1426	Cape Pembroke . .	51 41	57 42	21·3	1009·3	1011·8	+ 7·4	281·9	285·8	11th, 19th	275·4	271·9	15th	278·7	278·9	+ 0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	1000·0	1000·5	— 0·3	279·5	290·2	29th	271·6	267·5	16th	275·5	*275·6*	+ 1·0	53	— 13
		S.	W.															

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44	44 39	7	990·6	991·5	— 1·8	273·8	281·7	28th	267·1	258·7	8th	270·5	270·9	+ 1·7	84	+ 56
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort)		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1074. Direction and Force (Beaufort).
	9h.	m/s	9h	9h.	17h.	7h.	21h	9h.	20h.	9h.	8h.	20h.	8½h.
1	ESE	7·3	SE 5	Calm 0	WSW 3	N 1	Calm 0	EbyS 2	E 2	SE 2	E 3	E 5	ESE 3
2	SE	4·9	SE 6	Calm 0	SW 1	E 1	Calm 0	E 2	EbyS 2	SE 4	E 4	E 4	E 3
3	SSE	5·5	SE 7	E 1	SW 2	N 4	NW 1	EbyS 2	EbyS 2	SE 6	E 5	E 4	ESE 3
4	SE	8·6	SE 6	ENE 1	SW 1	E 1	Calm 0	EbyS 2	EbyS 2	SE 4	E 3	E 4	Calm 0
5	SE	8·3	SE 5	E 1	SW 1	SE 1	N 2	E 2	E 2	..	E 4	E 4	SSW 1
6	SE	7·7	SE 5	SE 1	Calm 0	N 2	Calm 0	E 2	E 2	..	E 4	E 5	SE 3
7	SE	9·6	SE 7	ENE 1	SSW 1	NW 1	Calm 0	E 2	E 2	..	E 6	E 4	NE 3
8	SE	9·2	SE 7	NE 2	SW 1	N 1	NW 1	EbyS 1	EbyS 2	..	E 3	E 1	Calm 0
9	SE	10·8	ESE 6	E 1	Calm 0	Calm 0	Calm 0	EbyS 2	EbyS 2	..	Calm 0	E 2	Calm 0
10	SSE	12·1	SE 5	Calm 0	SSW 2	E 1	NW 2	E 1	E 2	..	ENE 1	ENE 1	Calm 0
11	SE	7·2	SE 4	NNE 1	WSW 1	NW 2	NW 1	E 1	E 1	..	E 1	E 2	ESE 1
12	SE	4·5	SE 3	Calm 0	Calm 0	SW 1	Calm 0	E 1	E 1	..	E 4	ENE 3	ESE 2
13	SE	4·0	SE 3	Calm 0	SW 1	Calm 0	Calm 0	E 1	E 2	..	ENE 3	E 2	SE 2
14	SE	4·4	SE 6	Calm 0	Calm 0	N 1	Calm 0	E 2	E 2	SE 2	E 2	ESE 1	ESE 2
15	SE	4·7	SSE 5	ENE 1	SW 1	Calm 0	N 2	EbyN 2	E 2	Calm 0	E 2	E 1	ESE 2
16	SE	4·2	SSE 4	NE 1	SW 3	N 1	Calm 0	ENE 2	ENE 1	SE 2	E 3	E 3	ESE 2
17	SE	2·6	ESE 8	NNE 1	SW 1	SW 3	Calm 0	EbyN 2	E 2	Calm 0	E 2	E 1	ESE 2
18	SE	2·8	SE 9	NE 2	Calm 0	N 1	Calm 0	E 2	E 2	SE 2	E 3	E 2	E 2
19	SE	2·8	SE 7	Calm 0	Calm 0	N 2	S 1	E 2	E 2	Calm 0	E 1	E 2	WSW 1
20	SE	4·4	SE 6	E 1	Calm 0	E 1	Calm 0	E 2	E 2	SE 4	ESE 4	ESE 3	Calm 0
21	SE	2·7	SE 6	NNE 1	SW 1	NE 1	Calm 0	E 1	EbyN 1	Calm 0	ESE 3	ESE 3	SW 1
22	SE	2·7	SE 4	ENE 1	SSW 1	E 1	W 2	EbyN 2	EbyN 2	Calm 0	E 2	E 3	SE 1
23	SE	2·3	SE 7	Calm 0	SW 1	S 1	Calm 0	E 2	E 2	Calm 0	E 4	E 5	Calm 0
24	SE	..	SE 9	Calm 0	SSW 1	N 1	Calm 0	E 2	E 2	..	ESE 3	ESE 4	SSW 1
25	SE	..	SE 9	ENE 1	Calm 0	N 1	N 1	E 2	E 1	..	E 4	E 1	ESE 1
26	ESE	3·8	ESE 6	ENE 1	SW 1	N 1	NW 1	E 2	E 2	SE 4	E 2	E 2	ESE 2
27	ESE	2·9	ESE 6	ENE 1	SW 1	N 2	NW 2	E 2	E 2	SE 4	NE 3	Calm 0	E 2
28	Calm	2·8	SE 6	E 1	WSW 1	N 2	N 1	E 2	E 1	Calm 0	Calm 0	ESE 4	E 2
29	Calm	0·3	SSE 6	Calm 0	WSW 1	N 1	Calm 0	E 2	E 2	SE 1	ESE 4	E 3	E 2
30	Calm	..	SSE 6	Calm 0	SW 1	E 1	Calm 0	E 2	E 2	SE 2	E 4	E 4	E 2
31	Calm	..	SE 6	Calm 0	Calm 0	E 1	SE 2	E 2	E 2	Calm 0	E 3	ESE 5	EbyS 2
Mean	..	5·3	6·0	0·7	0·9	1·2	0·6	1·8	1·8	1·9	2·9	2·8	
§Resultant	135°(84)	..	135°(95)	175°(14)		5°(31)		90°(100)		135°(59)	90°(91)		115°(58)
§Normal	145°(92)	8·7	‖131° (72)	261°(15)		245°(33)		‖| 85°(83)		136°(83)	‖115°(38)		100°(66)

‖Normal refers to ½ (9+21) ||| Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduc

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1924.

‡‡*Kara Sea.*—On the 1st the ice drifted offshore from the coast of Novaya Zemlya off the Matotschkin Strait.

‡‡*White Sea* was still free of ice.

‡‡*Spitsbergen.*—Up to the 25th no drift ice had been observed on the west coast and Icefjord was open.

‡‡*Iceland* was free of ice as is usual in this month.

‡‡*Greenland Sea and Denmark Strait.*—From the 15th Scoresby Sound was covered with ice and from the 26th the ice was perfectly safe. Off Angmagsalik the water was sometimes ice-free, but sometimes there was scattered drift ice. During the last few days the ice packed against the coast forming a belt some 5 miles wide.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 4. The route past Belle Isle was also free of ice. Along the coast of Labrador a few icebergs were observed, but no flat ice.

‡‡*Davis Strait and Baffin Bay.*—On the 1st scattered masses of heavy but open "Storis" were met with off Cape Farewell reaching about 15 miles offshore. On the 26th also there was a narrow ice belt at Cape Farewell. Many icebergs were observed in Julianehaab Bay. Otherwise the west coast of Greenland was free of ice.

‡‡*Bering Strait and Polar Sea.*—At Herald Island there was ice everywhere. About the beginning of the month the polar ice reached southward to the vicinity of Koliutschin Bay.

‡‡*Ieforholdene i de arktiske Have*, 1924 and 1925 published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1924

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. NOVEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1014·5	..	257·8	274·1	3rd	249·7	235·8	25th	253·8	..	— 1·5	25	+ 16
125	Upernivik . . .	72 47	56 7	19·2	1002·8	1005·2	— 3·4	268·1	272·6	24, 25, 27	..	..	..	..	*265·6*	+ 2·7	28	+ 1
132	Scoresbysund . .	70 29	21 58	16·9	1007·6	1009·8	..	263·5	273·9	8th	255·4	244·0	26th, 27th	259·5	*259·3*	..	..	..
133	Germaniahavn . .	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen . . .	70 59	W 8 18	23·1	1003·9	1006·8	..	..	277·6	11th	267·9	261·3	26th	..	*270·4*	..	35	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1002·4	1003·9	— 3·4	..	275·6	10th	262·0	252·8	30th	..	264·3	+ 3·0	34	+ 10
140	Bjørnöen . . .	74 28	19 17	40·5	997·7	1002·8	..	..	276·0	12th	267·6	259·0	28th	..	*269·6*	..	50	..
141	Gjesvaer . . .	71 6	25 22	6·5	1003·1	1003·9	+ 0·1	..	280·8	11th	272·1	265·1	30th	..	*274·0*	+ 2·3	82	+ 10
142	Mehavn . . .	71 1	27 47	10·2	1002·7	1004·0	+ 0·1	..	278·7	14th	270·6	262·7	30th	..	*273·0*	+ 2·1	127	+ 48
143	ϕVardö . . .	70 22	31 8	6·8	1003·0	1003·9	— 1·6	..	278·6	1st	270·6	264·0	30th	..	*272·9*	+ 2·0	83	+ 21
147	Malye Karmakouly .	72 23	52 43	15·3	998·2	1000·1	— 4·3	271·7	275·6	12th	266·5	253·2	29th	269·1	*269·0*	+ 6·8	24	+ 11
148	Waigatz . . .	70 24	58 47	11·2	997·5	998·9	..	272·5	279·1	1st	267·3	257·8	30th	269·9	*269·9*	..	18	..
153	Dickson . . .	73 30	80 23	13	998·4	1000·1	..	264·9	273·6	5th	257·5	244·8	28th	261·2	..	..	9	..
		N.	E.															

Between Latitude 70° N. and 60° N. NOVEMBER—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1004·7	— 1·6	270·3	275·2	26, 27, 28	265·0	255·2	24th	267·7	*267·5*	+ 3·9	5	— 18
204	Candle	65 55	161 57	2·4	..	..	..	265·3	275·2	4th	257·1	242·4	25th	261·2	..	+ 3·1	..	..
205	Tanana	65 10	152 6	67·1	..	1008·4	— 1·3	263·7	273·6	5th	258·0	245·8	24th	260·9	*260·8*	+ 6·0	4	— 14
206	Rampart . . .	65 30	150 15	114	..	..	..	262·6	275·8	4th	256·8	249·7	29th	259·7	..	+ 5·1	5	— 9
207	Valdez																	
208	Eagle	61 7	146 16	7·6	..	..	..	277·3	286·3	4th	270·2	261·3	30th	273·7	..	+ 3·8	165	+ 58
209	Dawson	64 46	141 12	254	..	1010·1	— 1·3	265·7	279·1	27th	255·8	244·7	6th, 30th	260·8	*260·9*	+ 3·9	20	+ 7
210	Carcross . . .	64 4	139 29	324	972·2	1014·8	+ 1·0	260·8	275·2	4th	253·6	244·7	11th	257·2	..	+ 0·8	22	— 5
211	Fort Good Hope .	66 11	134 34	662	..	..	..	271·9	279·1	17th	263·3	247·4	7th	267·6	..	+ 2·9	25	+ 3
212	Fort Simpson . .	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	ϕHay River . .	61 52	121 35	129	996·9	1015·2	+ 0·9	262·8	275·8	18th	254·1	240·2	8th	258·4	..	+ 3·1	10	— 11
225		60 51	115 20	161	997·6	1018·7	+ 4·8	265·0	279·7	17th	257·9	248·0	8th	261·4	..	+ 2·7	19	— 3
226	Jacobshavn . .	69 13	51 2	31·6	999·8	1003·9	— 2·9	268·6	277·6	6th	262·4	251·2	25th	265·5	*265·5*	+ 1·4	43	+ 26
227	Godthaab . . .	64 11	51 43	20·4	999·4	1002·0	— 1·1	271·7	281·6	5th	267·5	260·7	24th	269·6	*269·5*	+ 1·2	45	— 3
229	Ivigtut	61 12	48 10	5·0	1001·5	1002·1	— 0·9	273·7	284·9	5th	267·3	259·0	12th	270·5	*271·0*	+ 1·1	130	+ 18
	Angmagsalik . .	65 37	37 33	29·3	998·4	1002·1	— 1·0	270·9	279·0	5th	264·9	257·1	27th	267·9	*268·0*	+ 0·3	61	— 25
231	Stykkisholm . .	65 5	22 46	25	..	1003·5	— 0·8	278·2	283·7	10th	273·3	265·8	25th	275·7	*275·6*	+ 2·1	137	+ 73
232	Vestmanno . .	63 24	20 17	132	..	1003·0	+ 1·2	279·6	283·1	16th	274·9	267·9	26th, 27th	277·3	*276·8*	+ 1·6	152	+ 17
233	Grimsey . . .	66 33	18 1	22·0	..	1004·6	— 0·4	276·8	282·2	6, 7, 10	273·6	266·8	26th	275·2	*274·7*	+ 1·7	22	— 5
234	Akureyri . . .	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn . .	64 41	14 22	18·0	..	1006·8	+ 2·6	278·8	283·6	5th, 16th	274·0	268·8	2, 4, 25	276·4	*276·3*	+ 2·4	118	+ 8
236	Thorshavn . .	62 3	6 45	26·3	1006·3	1009·5	+ 3·7	281·0	283·9	16th	276·9	270·8	24th	278·9	*279·4*	+ 1·4	123	— 43
	Lerwick . . .	60 9	W 1 11	18·0	..	1012·5	+ 5·6	282·2	284·1	21st	279·7	274·1	4th	280·9	*281·1*	+ 2·1	69	— 39
237																		
238	ϕBergen (Met. Obs.) .	60 24	E 5 19	44·4	1010·1	1015·6	+ 6·1	280·8	283·5	28th	276·9	272·7	16th	278·9	*278·9*	+ 1·8	167	— 11
239	Aalesund . . .	62 28	6 10	6·3	1013·5	1014·3	+ 6·5	..	283·6	11th	277·4	273·6	4th	..	*279·4*	+ 1·7	116	— 18
240	§Trondhjem . .	63 26	10 25	37·0	1009·6	1014·2	+ 5·2	277·5	283·3	22nd	273·6	268·9	17th	275·5	*275·6*	+ 2·0	106	+ 30
241	Bodö	67 17	14 24	22·3	1006·5	1009·2	+ 3·4	..	281·4	17th	271·9	266·4	25th	..	*275·6*	+ 1·7	147	+ 43
242	Haparanda . .	65 50	24 9	9·2	1009·1	1010·3	+ 0·9	273·7	279·7	1st	267·0	251·5	29th	270·3	*270·3*	+ 2·1	40	— 9
242*a*	Helsingfors . .	60 10	24 57	11·7	1013·6	1015·0	+ 2·5	277·4	282·5	1st	273·5	267·5	5th	275·5	*275·8*	+ 2·7	36	— 27
	Kuopio . . .	62 55	27 40	233	983·6	1012·8	— 0·4	273·1	280·0	2nd	..	264·7	29th	..	*271·4*	+ 1·0	35	— 13
243	Kola																	
244	Petrozavodsk . .	68 53	33 1	6·7	1005·2	1006·1	— 1·5	271·9	277·6	1st	265·5	245·2	30th	268·7	*268·8*	+ 2·3	44	+ 19
245	Arkhangelsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Mezen	64 34	40 31	6·3	1008·3	1009·1	— 2·1	273·5	278·7	3rd	269·9	262·6	29th, 30th	271·7	*271·6*	+ 4·3	41	+ 10
247	Oust-Tsyima . .	65 50	44 16	14·9	1005·0	1006·9	— 2·3	272·4	277·1	3rd	268·0	256·8	30th	270·2	*270·3*	+ 4·7	28	+ 8
248	Teherdyn . . .	65 25	52 18	?68	997·1	1005·8	— 5·2	270·6	276·3	1st	265·6	250·2	30th	268·1	*268·1*	+ 5·1	38	+ 11
		60 24	56 31	?177	..	..	..	270·5	280·4	2nd	265·7	255·1	29th	268·1	*268·0*	+ 5·1	43	— 9
249	Berezov																	
250	ϕObdorsk . . .	63 56	65 4	39·5	998·7	1003·8	— 9·4	268·9	277·3	3rd	..	..	..	..	*266·0*	+ 7·4	32	+ 11
251	New Port . . .	66 31	66 36	35·2	999·5	1004·0	— 7·5	..	274·5	4th	261·3	251·3	29th, 30th	..	*264·2*	+ 7·8	38	+ 25
252	ϕSourgout . . .	67 42	72 57	4·9	1002·2	1002·8	..	..	274·1	5th	259·8	247·1	10th	..	*263·6*	..	9	..
253	Doudinka . . .	61 15	73 24	?40	1002·0	1007·1	— 8·3	..	277·1	4th	263·6	247·1	30th	..	*266·4*	+ 7·2	40	+ 16
254	Touroukhansk . .	69 23	86 4	20·0	1001·6	1004·3	— 9·5	..	273·9	5th	..	240·5	30th	..	*259·1*	+ 7·2	11	+ 2
		65 47	87 57	45·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Viliouisk . . .																	
262	ϕIakoutsk . . .	63 45	121 35	120	..	..	..	..	269·9	1st	248·5	236·7	22nd	..	*253·3*	+ 6·3	21	+ 8
263	Verkhoiansk . .	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	277·8	281·3	6th	274·0	269·1	30th	275·9	..	..	92	..
302	St. Paul Island	57 15	170 10	21·3	..	999·0	− 4·2	275·8	279·7	2nd	273·1	269·1	20, 22, 30	274·4	..	+ 1·0	59	− 38
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	995·6	− 6·3	280·6	284·1	2, 3, 4,	271·9	267·4	7th	276·2	*275·8*	+ 1·3	75	− 15
304	Port Moller	55 56	160 30	5·5	..	..	..	278·1	283·0	11th	273·0	269·1	6, 10, 22	275·6	..	..	64	− 55
305	Dillingham	59 0	158 28	24·4	..	..	..	276·0	282·4	2nd, 5th	268·8	256·9	27th	272·4	..	+ 3·7	30	− 85
306	Kodiak (Radio)	57 46	152 22	6·1	..	997·9	− 2·4	280·6	288·0	5th	274·1	269·7	sev. dates.	277·3	..	+ 2·7	191	+ 61
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 27	††147 34	§(28)	..	1002·7	− 3·0	..	..	280·8|+1·7	..	..	..	..	280·2	+ 1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1007·8	+ 2·2	281·2	288·6	4th	273·9	266·3	11th	277·6	*277·1*	+ 0·9	212	− 38
310	Prince Rupert	54 18	130 18	51·8	1004·7	1011·1	+ 2·2	281·3	286·9	1st	274·1	266·3	7, 8, 9	277·7	*277·7*	− 0·2	251	− 14
311	Barkerville	53 2	121 35	1274	865·7	1016·3	+ 1·9	271·9	279·7	29th, 30th	264·7	249·1	12th	268·3	*268·1*	− 1·2	73	− 4
312	ϕKamloops	50 41	120 29	385	975·7	1023·7	+ 3·4	276·3	285·2	2nd	270·3	259·1	12th	273·3	*273·3*	− 1·4	18	− 6
313	Calgary	51 2	114 2	1045	892·9	1018·3	+ 2·5	275·8	290·8	30th	263·0	246·3	12th	269·4	*268·8*	− 1·2	36	+ 11
314	Fort Chipewyan	58 42	111 10	218	985·3	1013·6	− 1·7	265·8	280·2	18th	258·0	245·8	12th	261·9	*262·1*	+ 0·3	15	− 1
315	Prince Albert	53 10	105 38	442	961·5	1017·5	+ 1·9	270·8	279·7	29th	261·3	249·7	13th	266·1	*265·7*	− 0·1	15	− 1
316	Qu'Appelle	50 30	103 47	645	936·6	1016·8	− 0·1	270·8	281·9	18th	263·0	247·4	13th	266·9	*266·6*	− 0·7	24	+ 4
317	Minnedosa	50 15	99 50	515	951·7	1016·6	− 1·0	268·8	276·8	20th	261·0	249·3	13th	264·9	*264·9*	− 2·4	20	+ 5
318	Berens River	52 18	97 23	216	..	..	..	263·7	277·4	1st	257·7	240·8	16th	260·7	..	− 5·7	69	+ 36
318*a*	Port Nelson	57 0	92 51	14·9	1010·4	1012·3	− 2·1	263·0	270·8	1st	256·9	244·1	16th	259·9	..	− 1·2	16	− 7
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1008·2	1009·4	− 4·9	270·8	283·0	12th	263·6	251·9	16th	267·2	..	− 0·5	23	− 37
321	Fort George	53 50	79 5	97·5	..	..	..	270·0	278·0	1st	263·6	249·7	16th	266·8	..	..	86	..
322	Mistassini Post	50 15	73 55	383	..	..	..	271·8	282·4	1st	265·3	249·7	17th	268·6	..	+ 2·0	136	+ 44
324	Natashquan	50 8	61 48	6·1	..	..	..	276·3	284·7	15th	267·7	253·6	19th	272·0	..	+ 1·9	45	− 23
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††51 49	††27 44	§(21)	..	1001·3	..	..	..	284·2|−0·1	..	..	..	..	283·3	..	..	..
333	53°—48° N. 20°—15° W.	††50 41	††17 37	§(26)	..	1014·6	..	..	..	285·5|−0·2	..	..	..	..	284·7	..	..	..
333*a*	62°—57° N. 20°—15° W.	††59 51	††17 8	§(35)	..	..	..	..	..	282·2|−0·1	..	..	..	..	281·0	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1014·0	+ 1·4	283·9	287·4	1st	280·1	274·7	4th	282·0	282·3	+ 0·6	129	+ 61
335	Aberdeen	57 10	W 2 6	26·8	..	1014·6	+ 5·0	282·2	285·2	22nd	278·8	274·1	4th	280·5	280·6	+ 1·7	65	+ 5
336	Greenwich	51 28	0 0	46·3	..	1017·5	+ 2·9	283·1	288·6	1st	278·2	269·1	18th	280·7	280·6	+ 1·0	80	+ 20
337	Uccle	50 48	E 4 22	100	1007·5	1019·9	+ 5·0	282·2	288·5	1st	276·0	267·4	17th	279·1	278·7	+ 0·4	57	− 1
338	De Bilt	52 6	5 11	3·0	1019·4	1019·8	+ 5·3	281·4	287·9	2nd	274·6	265·5	18th	278·0	278·0	+ 0·1	27	− 29
338*a*	Hamburg	53 33	9 58	40·3	1015·9	1020·9	+ 6·1	280·1	286·6	2nd	274·6	268·4	16th	277·3	*277·1*	− 0·3	29	− 11
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1019·2	1019·8	+ 6·5	280·7	285·2	2nd	276·2	271·3	20th	278·5	*278·5*	+ 2·1	19	− 62
340	Potsdam	52 23	13 4	84·9	1011·5	1022·2	+ 6·7	279·8	289·0	2nd	272·9	265·8	16th	276·3	275·8	− 0·7	14	− 6
340*a*	Uppsala	59 51	17 38	24	1013·5	1016·5	+ 6·1	276·9	282·2	22nd	272·9	268·4	5th	274·9	275·0	+ 1·9	22	− 1
341	Warsaw	52 13	21 3	89·9	1012·3	1023·6	+ 4·8	277·9	286·2	3rd	272·7	266·7	13th	275·3	*275·0*	..	23	0
342	Tartu (Ülikooli)	58 23	26 43	74·5	1007·6	1016·9	+ 3·9	276·7	282·4	1st	273·6	270·1	8th	275·1	275·2	+ 2·8	25	− 11
343	Leningrad	59 56	30 16	4·8	1014·3	1014·9	+ 2·0	276·1	281·8	2nd	272·4	267·3	9th	274·2	*274·3*	+ 2·3	18	− 4
344	Kiiv	50 27	30 30	183	1000·9	1024·0	+ 5·0	275·6	285·9	3rd	271·6	264·9	23rd	273·6	*273·5*	− 0·2	37	− 2
344*a*	Moscow	55 50	37 33	167	997·6	1018·7	+ 1·1	273·4	280·6	1st	269·7	262·0	22nd	271·6	*271·5*	+ 1·3	16	− 14
345	Saratov	51 33	45 57	122	1004·2	1019·8	− 2·1	273·6	285·0	1st	268·5	257·7	12th	271·0	*271·0*	+ 1·2	45	+ 14
346	Kazan	55 47	49 8	79·9	1007·0	1017·2	− 2·0	273·1	285·5	2nd	269·2	261·4	11th	271·2	*271·1*	+ 2·4	27	+ 4
347	Orenburg	51 45	55 6	109	1005·9	1019·9	− 4·1	272·7	281·7	2nd	267·0	257·2	30th	269·8	*269·8*	+ 1·4	32	+ 9
348	Perm	58 1	56 16	163	993·1	1013·8	− 4·8	270·6	280·8	2nd	266·7	255·4	30th	268·6	*269·0*	+ 3·2	50	+ 25
349	Sverdlovsk	56 50	60 38	281	977·6	1013·1	− 4·5	270·9	280·3	3rd	266·3	256·0	30th	268·6	*268·4*	+ 3·2	35	+ 12
350	ϕTobolsk	58 12	68 14	108	998·0	1011·8	− 7·0	270·5	279·7	3rd	264·5	254·3	16th	267·5	*267·4*	+ 3·7	35	+ 14
351	Akmolinsk	51 12	71 23	347	..	..	..	271·9	285·7	10th	263·0	248·5	30th	267·4	*267·8*	+ 2·0	14	− 7
352	Omsk	55 1	73 19	108	1003·0	1016·9	− 5·0	271·3	280·2	6th	264·8	251·6	28th	268·0	*267·7*	+ 3·6	12	− 9
353	Barnaoul	53 20	83 48	162	1003·8	1024·6	− 2·6	273·0	280·8	11th	265·9	255·1	22nd	269·4	*269·5*	+ 5·0	34	+ 13
354	Tomsk	56 30	84 58	122	1003·1	1018·8	− 4·8	271·5	279·3	7th	265·4	251·8	28th	268·4	*268·3*	+ 6·0	57	+ 36
355	Minousinsk	53 43	91 41	248	993·5	1025·4	− 2·3	..	279·9	8th	263·6	253·8	17th	..	*268·2*	+ 3·9	9	− 12
356	Eniseisk	58 27	92 10	77·6	1007·8	1017·8	− 4·4	..	278·0	7th	264·8	251·3	28th	..	*267·7*	+ 7·2	28	+ 7
357	Irkutsk	52 16	104 19	467	966·2	1026·0	− 2·0	270·6	277·4	4th, 8th	259·6	248·1	18th	265·1	*264·9*	+ 2·6	10	− 11
358	ϕKirensk	57 47	108 7	278	985·2	1021·0	− 3·8	..	273·3	5th	263·5	252·2	30th	..	*265·1*	+ 7·3	28	+ 7
359	ϕTchita	52 2	113 30	674	939·1	1026·0	+ 0·1	..	..	..	253·2	242·4	21st	..	*258·6*	+ 0·1	2	− 18
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·5	1021·4	− 0·5	264·1	271·5	11th	251·1	237·8	26th	257·6	*257·5*	+ 2·1	13	− 2
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	999·6	1018·1	− 2·0	267·6	274·7	1st	257·8	249·1	21st	262·7	*262·7*	+ 1·2	22	+ 7
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1005·5	‡1007·2	+ 1·8	..	..	..	266·0	261·4	27th	..	*267·8*	− 2·6	15	− 5
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks " pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mn.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1017·1	+ 1·2	281·4	285·7	20th	277·3	272·2	12th	279·3	279·2	− 0·6	107	− 30
412	Portland, Oregon	45 32	122 41	46·6	1014·6	1020·0	+ 1·2	283·3	288·0	20th	277·8	271·9	12th	280·6	*279·9*	− 0·1	155	− 9
413	Macleod	49 44	113 24	953	..	..	..	274·8	284·7	30th	266·1	249·1	13th	270·4	*270·3*	− 2·0	26	+ 12
414	Helena	46 34	112 4	1253	875·2	1021·0	+ 0·9	278·4	293·6	2nd	268·3	255·2	12th	273·3	*273·3*	0·0	21	+ 2
414*a*	Salt Lake City	40 46	111 54	1329	872·5	1023·0	+ 2·3	281·8	293·0	2nd	273·4	266·3	13th	277·6	*277·7*	− 0·1	39	+ 4
415	Cheyenne	41 8	104 48	1856	813·5	1018·9	+ 0·9	282·9	294·1	2nd	270·3	263·6	13th	276·6	*277·0*	+ 2·1	8	− 4
416	North Platte	41 8	100 45	860	918·9	1020·3	+ 0·6	285·2	297·4	1st	269·3	263·6	7th	277·2	*276·3*	+ 1·9	2	− 10
416*a*	Bismarck	46 47	100 38	510	956·3	1018·6	− 0·1	277·9	290·8	19th	266·7	256·3	13th	272·3	*272·7*	+ 1·5	1	− 16
417	Winnipeg	49 53	97 7	232	986·6	1016·4	− 1·0	269·7	278·0	20th	263·0	252·4	16th	266·3	*266·2*	− 0·8	29	+ 2
418	Duluth	46 47	92 6	345	972·0	1014·5	− 2·7	274·6	286·9	1st	266·0	257·4	28th	270·3	*269·8*	− 2·5	12	− 27
419	Port Arthur	48 27	89 12	196	988·3	1013·0	− 3·2	273·0	285·2	1st	267·4	256·3	16th	270·2	*270·2*	+ 0·3	18	− 19
420	Chicago	41 53	87 37	251	986·5	1017·3	− 1·1	282·4	296·9	5th	274·1	261·9	29th	278·3	*278·4*	0·0	22	− 39
421	Toronto	43 40	79 24	116	1001·7	1016·1	− 1·2	280·3	292·6	7th	272·5	262·6	18th	276·4	*276·6*	+ 0·6	24	− 43
422	ϕNew York (Central Park)	40 47	73 58	47·4	1012·5	1018·4	+ 0·5	283·7	294·7	2nd	276·0	265·8	17th, 18th	279·9	279·8	+ 0·1	55	− 24
423	St. John, N.B.	45 17	66 4	36·2	1009·5	1014·0	− 0·7	279·8	287·2	23rd	273·4	263·0	19th	276·6	*276·9*	+ 1·0	77	− 35
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·7	1011·8	− 0·1	275·9	281·3	12th	271·8	262·7	19th	273·8	*274·1*	+ 1·8	50	− 19
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·0	1016·9	+ 2·2	281·3	287·4	8th	276·9	271·3	17th	279·1	*279·3*	− 0·4	91	− 49
425	Port aux Basques	47 35	59 10	9·1	1012·0	1013·1	+ 0·9	277·9	282·7	3rd	274·1	269·9	9th, 19th	276·0	*276·0*	+ 1·1	100	− 12
426	St. John's, Newfoundland	47 34	52 42	48·8	1007·0	1013·1	+ 1·3	279·7	288·6	3rd, 13th	273·6	268·6	10th	276·6	*276·5*	+ 0·8	123	− 30
430	50°—45° N. 35°—30° W.	††48 35	††32 20	§(12)	..	1016·1	..	..	..	Sea Temp. 285·8|−1·5	..	..	..	..	282·6	..	..	..
435	Madrid	40 24	3 41	667	941·0	1019·9	+ 1·0	285·3	293·0	2nd	277·3	272·4	18th	281·3	*280·6*	− 0·1	60	− 3
436	Nantes	47 15	W 1 34	36·5	1012·8	1017·5	+ 2·0	283·7	289·2	1st	278·0	270·7	18th	280·8	280·8	+ 0·2	95	+ 8
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·6	1020·2	+ 3·8	283·0	290·5	1st	276·8	268·2	18th	279·9	279·8	+ 1·0	36	− 13
438	Marseille	43 18	5 23	75	..	1017·4	+ 2·0	289·4	294·8	3rd, 5th	281·1	270·4	19th	285·2	*284·5*	+ 0·8	124	+ 52
438*a*	Zürich	47 23	8 33	493	962·5	1022·5	+ 3·8	279·6	294·0	3rd	274·7	267·9	19th	277·1	276·8	+ 0·3	11	− 57
439	Rome	41 54	12 27	45·5	1012·6	1017·9	+ 2·3	288·9	295·2	3rd	280·3	272·9	19th	284·6	*284·2*	− 0·5	25	− 87
440	Vienna	48 15	16 22	203	998·6	1023·9	+ 5·7	278·5	292·8	2nd	273·8	266·5	16th	276·1	276·1	− 0·9	15	− 30
440*a*	Budapest	47 31	19 1	130	1007·8	1024·2	+ 5·3	280·1	293·5	3rd	273·0	265·0	16th	276·5	276·0	− 1·0	10	− 41
441	Sofia	42 42	23 20	550	956·6	1023·9	+ 3·2	278·1	292·0	3rd	271·8	266·0	25th	274·9	274·6	− 2·9	65	+ 17
442	Bucharest	44 25	26 6	82	1013·6	1023·9	+ 3·7	279·3	296·6	3rd	273·3	266·0	14th, 15th	276·3	276·1	− 1·2	144	+ 96
443	Odessa (Observatory)	46 26	30 46	42·8	1017·3	1022·7	+ 2·0	278·8	295·0	3rd	273·9	269·0	13th	276·3	*276·0*	− 1·4	20	− 14
444	ϕKharkiv (University)	50 0	36 14	140	1005·5	1023·2	+ 2·0	274·9	285·0	1st	270·8	263·6	21st	272·9	*273·1*	− 1·6	30	− 11
444*a*	Novorossiisk	44 44	37 49	37·1	1015·9	1020·5	+ 0·8	284·3	294·6	1st	277·0	266·4	13th	280·6	*280·5*	− 0·7	132	+ 62
445	Tiflis	41 43	44 48	404	973·9	1022·6	0·0	285·0	296·4	5th	277·3	271·0	11th	281·1	280·9	+ 0·9	27	− 6
446	Astrakhan	46 21	48 2	−20	1024·8	1022·4	− 0·7	278·2	292·9	5th	272·6	261·2	13th	275·4	*275·4*	+ 0·2	10	− 1
447	Fort Alexandorvsk	44 31	50 7	−23·0	1024·6	1021·8	− 0·4	280·9	291·3	5th	275·8	268·7	14th	278·4	*278·2*	+ 0·4	9	0
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1022·3	1021·7	0·0	285·8	295·0	24th	280·3	273·1	16th	283·0	*283·2*	− 0·2	2	− 11
449	Kasalinsk	45 46	62 7	66·7	1016·4	1024·9	+ 0·2	..	..	..	269·4	257·6	17th	..	*273·4*	+ 1·5	16	+ 5
450	Tashkent	41 20	69 18	478	967·6	1025·4	+ 0·6	286·2	296·2	9th	275·0	263·2	19th	280·6	*279·8*	− 0·2	33	0
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	8	− 4
452	Alma Ata	43 16	76 53	841	926·0	1027·1	− 0·6	280·2	291·5	7th	269·4	255·5	20th	274·8	*274·4*	+ 1·2	35	− 10
461	ϕMoukden	41 48	123 23	43·8	1016·7	1022·3	− 2·3	276·6	289·0	17th	266·1	255·5	24th	271·3	271·1	− 0·4	9	− 16
462	ϕJoshin	40 40	129 11	31·9	1013·4	1017·4	− 3·0	280·9	289·8	1st	271·1	265·2	24th	276·0	275·7	− 0·8	22	− 28
463	ϕVuki	42 20	130 24	65·6	1009·4	1017·7	− 3·5	277·2	283·6	1st	268·9	262·7	25th	273·1	272·7	− 1·1	8	− 13
464	ϕVladivostok	43 7	131 54	128	1000·8	1017·1	− 3·6	274·7	281·7	6th	268·3	260·7	25th	271·5	*271·0*	− 1·2	11	− 18
465	ϕOchiai	47 20	142 47	27·4	1008·0	1011·5	− 1·4	275·6	281·9	18th	267·2	258·3	27th	271·4	271·6	+ 0·9	259	+177
466	Nemuro	43 20	145 35	26·7	1006·9	1010·2	− 4·5	281·4	290·8	1st	274·8	268·4	28th	278·1	278·1	+ 0·8	124	+ 41
466*a*	Syana	45 14	147 53	39·3	1004·4	1009·3	− 3·3	279·5	288·8	1st	273·4	266·7	27th	276·5	276·6	+ 0·6	182	+ 54
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks " page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
508	35°—30° N. 145°—140° W.	††31 35	††142 33	§(17)	..	1019·6	− 1·0	..	..	Sea Temp. 293·0|+0·6	..	..	..	..	292·4	+ 1·1	..	..
511	San Francisco	37 48	122 26	47·2	1014·7	1020·6	+ 1·3	290·2	295·8	22nd	283·2	280·8	11th	286·7	*286·0*	+ 0·6	38	− 23
512	San Luis Obispo	35 18	120 39	61·3	1012·5	1020·0	+ 1·4	295·7	304·1	2nd	280·1	274·7	7th	287·9	*286·4*	+ 1·3	23	− 18
513	San Diego	32 43	117 10	26·5	1014·8	1017·9	+ 1·4	293·6	303·0	23rd	283·6	280·8	7th	288·6	*288·0*	+ 0·5	14	− 9
514	Modena	37 48	113 54	1670	837·6	1022·7	+ 2·1	284·8	295·2	2nd	266·4	259·7	6th	275·6	*274·4*	− 0·8	11	− 3
515	Santa Fé	35 41	105 57	2138	789·6	1019·6	+ 1·7	285·0	293·6	2nd	271·3	263·6	24th	278·2	*278·0*	+ 1·7	8	− 11
516	Denver	39 45	105 0	1613	838·4	1018·6	+ 0·8	287·1	296·9	2nd	272·6	266·3	14th	279·9	*280·3*	+ 2·9	4	− 11
517	Abilene	32 23	99 40	530	958·4	1020·3	+ 1·1	294·2	302·4	5th	279·6	269·7	24th	286·9	*285·9*	+ 2·0	1	− 34
518	Saint Louis	38 38	90 12	173	998·1	1018·9	− 0·4	286·5	298·0	3rd	276·8	266·3	29th	281·7	*281·4*	+ 1·3	39	− 34
519	Mobile	30 41	88 2	17·4	1019·5	1021·7	+ 1·7	295·0	300·2	1st	283·9	272·4	26th	289·4	*288·7*	+ 1·7	2	− 92
520	Nashville	36 10	86 47	166	1001·4	1021·7	+ 0·7	288·1	298·6	2nd	277·9	269·7	26th	283·0	*283·2*	+ 0·6	32	− 58
521	Charleston	32 47	79 56	14·6	1019·2	1021·0	+ 0·8	292·5	299·7	15th	283·2	274·1	30th	287·9	*287·8*	+ 0·6	18	− 43
522	Washington	38 54	77 3	34·1	1015·8	1020·0	+ 0·4	285·6	297·4	2nd	276·1	268·0	19th	280·8	*280·6*	+ 0·3	37	− 26
524	Bermuda	32 17	64 46	46·0	1013·1	1018·5	+ 1·0	295·9	298·9	5th	290·1	285·7	20th	293·0	*292·7*	− 0·7	102	− 22
530	Santa Cruz (Flores)	39 27	31 9	40	1017·6	1022·6	+ 2·5	291·5	294·7	1st	287·3	285·3	25th	289·4	*289·6*	− 0·5	124	− 42
531	Horta	38 32	28 38	65	1014·9	1022·7	+ 2·4	291·6	294·4	10th	286·7	284·3	26th, 27th	289·1	288·9	− 1·1	171	+ 52
532	Ponta Delgada	37 44	25 40	22	1019·6	1022·2	+ 2·5	291·1	294·6	1st	287·7	284·5	25th	289·4	289·4	− 0·3	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	38	−107
533	Madeira (Funchal)	32 38	16 55	25	‡1017·7	‡1020·7	+ 1·8	294·0	296·2	3rd, 10th	288·7	285·3	20th	291·3	*291·2*	+ 0·2	255	+136
535	Lisbon	38 43	9 9	95	1005·9	1017·4	− 0·3	289·1	293·7	2nd	283·9	279·2	20th	286·5	286·3	− 0·3	95	− 14
535*a*	Melilla	35 17	2 59	40	1015·5	1020·3	+ 2·0	293·2	300·3	3rd	285·2	280·4	30th	289·2	*289·8*	− 1·4	138	+ 72
536	Gibraltar	36 6	5 21	16·2	..	1017·9	− 0·2	291·3	298·0	3rd	285·0	280·8	17th	288·2	*288·2*	− 0·6	161	− 1
536*a*	Colomb-Béchar	31 36	2 4	769	930·3

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
537	Palma	39 34	2 39	23	1014·2	1016·9	− 0·3	291·0	296·6	1st	283·1	277·2	20th	287·0	..	− 0·7	75	+ 19
538	Algiers (Bouzaréah)	36 47	3 2	344	977·1	1017·6	+ 0·7	290·3	301·9	4th	285·1	281·0	28th	287·7	*287·7*	+ 0·9	187	+ 81
538a	Gadames	30 9	9 30	351	..	..	..	294·2	302·6	7th	281·6	275·1	24th	287·9	..	..	0	− 36
539	Tunis	36 48	10 10	21	1013·5	1016·0	..	293·4	303·0	6th	284·1	277·6	24th	288·8	*288·5*	+ 0·6	82	+ 36
539a	Malta	35 54	14 31	56·4	..	1016·7	+ 0·8	293·2	297·6	5th, 6th	288·6	284·3	20th	290·9	*290·1*	+ 0·2	55	+ 6
540	Riposeto	37 41	15 14	14·2	..	1018·8	+ 1·8	291·9	295·4	6th	285·7	280·2	20th	288·8	*288·8*	+ 0·2	188	+ 131
541	Athens	37 58	23 43	107	1005·5	1018·4	+ 1·2	289·2	296·0	5th	283·8	274·9	23rd	286·5	286·1	− 0·9	54	+ 21
542	Alexandria	31 12	29 53	32·0	1013·2	1017·0	− 0·3	297·8	303·0	1st	289·1	282·3	24th	293·5	*292·7*	− 0·1	55	+ 21
543	Nicosia (P.W.D.)	35 9	33 22	159	997·1	1015·8	− 0·7	294·1	300·8	5th	284·1	279·7	25th, 27th	289·1	..	+ 0·2	51	+ 6
544	Beirut	33 54	35 28	33·7	..	1016·3	− 0·8	295·1	300·0	4th	290·0	284·4	23rd	292·5	*292·3*	+ 0·2	202	+ 67
545	Hinaidi	33 17	44 29	32·3	..	1017·6	− 0·3	298·2	303·6	5th	284·4	278·6	19th, 20th	291·3	*291·4*	..	0	− 15
546	Lenkoran	38 46	48 52	−20·0	1023·9	1021·5	− 0·3	..	295·5	4th	280·5	274·7	15th	..	*283·1*	− 0·9	309	+ 137
547	Tehran	35 41	51 25	1220	..	..	..	289·4	294·4	7th	279·6	274·7	19th	284·5	*284·2*	0·0	16	− 10
548	Meshed	36 16	59 35	946	884·5	..	..	289·3	297·4	26th	272·1	269·9	3rd	280·7	..	− 0·6	5	− 1
549	Seistan	31 0	61 30	610	..	..	..	296·3	301·9	11th	278·3	273·9	30th	287·3	..	..	0	− 1
550	Quetta	30 11	67 3	1677	837·7	..	+ 0·3	292·0	294·9	10th	272·3	268·9	4th	282·1	*281·8*	− 0·3	1	− 1
551	Peshawar	34 2	71 37	339	978·5	1019·1	0·0	297·2	300·6	1st	280·8	276·6	24th	289·0	*287·9*	− 0·5	12	+ 1
551a	Lahore	31 34	74 20	214	991·5	1017·1	+ 0·1	300·2	305·0	2nd	282·3	278·7	25th, 30th	291·3	*289·9*	− 0·4	0	− 10
552	Simla	31 7	77 8	2204	783·9	..	+ 0·2	286·4	289·7	22nd	280·2	278·0	26th	283·3	*283·0*	− 0·3	3	+ 1
552a	Leh	34 10	77 42	3503	669·4	..	+ 0·4	281·6	285·9	1st	266·3	262·9	25th	273·9	*272·8*	− 0·3	2	..
559	ϕHankow	30 35	114 17	37·0	1020·7	1025·2	− 0·1	290·2	298·4	18th	280·0	273·0	24th	285·1	*284·8*	− 0·1	28	− 2
560	ϕTientsin	39 10	117 10	5·0	1023·9	1024·5	− 1·2	281·5	288·0	6th	272·8	265·8	24th	277·1	*276·9*	− 0·7	10	− 5
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1024·2	+ 0·5	289·3	297·5	1st	277·1	268·5	25th	283·2	282·2	− 1·9	21	− 10
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1012·4	1021·0	− 1·9	282·0	289·4	18th	273·3	264·8	9th	277·7	277·4	− 1·9	30	+ 11
562a	Nagasaki	32 44	129 52	133	1003·7	1019·8	− 1·0	288·4	294·9	1st	279·8	273·7	9th	284·1	283·9	− 1·7	111	+ 74
563	Kyoto	35 1	135 44	42·9	1012·3	1017·6	− 1·8	288·7	293·7	21st	275·7	271·3	26th	282·2	281·2	− 1·5	44	− 7
564	Tokyo	35 41	139 46	5·8	1014·1	1014·8	− 3·5	289·1	294·3	5th	277·5	272·9	16th	283·3	282·9	− 0·4	28	− 23
565	Kanayama	37 53	140 46	24·6	1011·2	1014·2	− 4·1	287·4	294·1	1st	274·2	268·0	26th, 27th	280·8	280·0	− 0·7	26	+ 1
566	Miyako	39 38	141 59	30·4	1008·9	1012·6	− 4·7	287·8	295·5	1st	275·0	269·6	26th	281·4	280·5	+ 0·3	96	+ 44

NOVEMBER—ZONE 6.																		Between Latitude 30° N. and 20° N.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·9	− 1·0	297·2	299·1	1st	291·3	288·0	7th	294·3	*293·9*	..	11	..
605	Honolulu	21 19	157 52	11·6	1016·2	1017·5	+ 0·8	299·2	302·4	..	294·1	290·2	..	296·7	*296·5*	+ 0·1	27	− 8
614	La Paz	24 10	110 20	12	1012·3	1013·7	..	300·6	306·8	5th	290·8	287·0	21st	295·7	*295·1*	..	1	..
615	Chihuahua	28 38	106 4	1423	862·1	1017·4	..	298·5	303·0	4th	277·2	270·0	25th	287·8	*288·2*	+ 1·6	5	..
616	Leon	21 7	101 41	1809	825·9	1018·0	+ 3·2	298·8	301·8	13th	278·4	276·0	30th	288·6	*288·6*	− 0·4	0	..
616a	Monterry	25 40	100 18	528	957·8	1018·1	+ 0·8	297·7	305·6	23rd	287·8	278·5	25th	292·7	*292·5*	+ 1·9	5	..
617	Tulancingo	20 5	98 22	2181	792·7	1015·5	..	292·0	297·6	12th	278·2	274·8	22nd	285·1	*284·1*	− 1·9	8	..
618	Galveston	29 18	94 50	16·5	1019·6	1021·7	+ 2·1	295·7	299·1	7th	289·7	281·9	25th	292·7	*292·8*	+ 2·4	39	..
618a	New Orleans	29 57	90 4	16·2	..	1021·7	+ 2·4	296·2	300·8	15th	287·1	279·7	30th	291·6	*291·0*	+ 1·9	6	..
619	Merida, Yuc	20 58	89 38	22	1015·5	1018·1	+ 1·8	300·4	302·8	12th	292·8	288·2	24th	296·6	*295·4*	− 1·0	19	..
620	Havana	23 8	82 21	24·3	..	1017·4	+ 1·1	299·4	302·6	21st	293·8	288·2	24th	296·6	*296·6*	0·0	192	..
620a	Key West	24 33	81 48	6·7	1017·3	1017·9	+ 1·1	298·2	300·8	7th	293·8	288·6	30th	296·0	*295·5*	− 0·4	2	..
621	Nassau, Bahamas	25 5	77 21	7·3	..	1018·5	+ 1·8	300·6	..	..	294·3	..	..	297·5	*297·4*	+ 0·1	21	..
622	Watling Island	24 6	74 26	33·5	..	1017·2	+ 2·1	..	302	3rd, 4th	..	294	23rd	..	*297·9*	..	..	..
633	Port Etienne	20 56	17 3	4	1013·2	1013·7	..	302·1	312·5	1st	289·5	287·0	22, 24, 29	295·8	*294·1*	..	0	..
634m	Izaña	28 19	16 30	2367	767·5	..	..	281·7	290·8	2nd	274·0	268·0	20th	277·9	*277·9*	− 1·3	511	..
634	La Laguna	28 28	16 20	547	953·7	1017·2	− 0·5	291·4	300·8	3rd	284·4	281·0	25th	287·9	*287·4*	− 0·7	297	..
636	Adrar	27 36	W 0 4	168	..	..	..	300·9	307·6	6th	283·0	274·7	30th	292·0	*293·4*	..	0	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	299·4	302·3	1st	283·6	279·4	26th	291·5	..	..	0	..
641	Siwa	29 12	25 29	−23	1020·2	1017·5	..	297·5	302·0	4th, 6th	281·0	275·0	26th	289·2	..	..	6	..
643	Cairo (Helwan)	29 52	31 20	116	1003·5	1017·1	+ 0·2	296·9	302·5	1st	286·5	280·2	25th	291·7	*291·5*	− 0·8	6	..
643a	Aswan	24 2	32 53	99·6	1003·8	1015·5	+ 1·2	302·6	310·3	11th	286·8	279·0	25th	294·7	*294·4*	− 0·7	..	..
644	Tor	28 14	33 37	1·9	1015·0	1015·1	+ 0·1	298·7	303·4	21st	286·5	281·4	29th	292·6	*292·5*	− 0·3	0	..
647	Bushire	28 59	50 53	4·3	1015·7	1016·2	− 0·1	299·5	304·1	14th	289·7	284·1	23rd, 24th	294·6	*294·3*	+ 0·4	0	..
648	Jask	25 44	57 47	4·0	1015·9	1016·4	+ 0·2	302·8	305·0	2nd	293·8	291·2	27th, 29th	298·3	*298·0*	+ 0·8	0	..
649	Karachi	24 53	66 57	4·0	1016·1	1016·6	+ 0·6	301·9	305·5	5th	291·0	287·6	28th	296·5	*296·2*	− 0·7	0	..
650	Jacobabad	28 17	68 29	56·7	1010·5	1017·1	+ 0·9	303·6	309·9	2nd	284·6	280·0	25th	294·1	*293·4*	+ 0·2	0	..
651	Jaipur	26 56	75 52	436	967·2	1017·6	+ 0·3	300·9	305·5	1st	284·8	280·8	26, 27, 30	292·9	*291·5*	− 2·0	15	..
652	Nagpur	21 8	79 5	310	979·4	1015·1	− 0·7	300·6	303·3	2nd	288·6	284·8	27th	294·6	*294·3*	− 1·1	19	..
653	Allahabad	25 25	81 51	94·2	1005·4	1016·0	+ 0·3	301·1	304·4	3rd, 4th	287·2	282·4	24th	294·2	*293·3*	+ 0·4	9	..
653a	Darjeeling	27 3	88 18	2265	778·8	..	+ 0·1	286·3	289·7	17th	279·8	278·1	29th	283·1	*282·8*	+ 0·7	133	..
654	Calcutta	22 36	88 23	6·4	1013·3	1014·2	− 0·8	299·7	303·6	3rd	293·1	289·7	24th	296·4	*296·0*	+ 0·6	47	..
655	Gauhati	26 8	91 41	59·7	1009·0	1016·1	− 0·6	299·1	303·3	4th	290·4	287·9	29th	294·7	*294·0*	− 0·1	62	..
655m	Cherrapunji	25 15	91 42	1313	871·7	..	+ 0·4	292·7	295·0	22nd	286·1	283·0	29th	289·4	*288·8*	+ 0·3	356	..
655a	Akyab	20 11	92 56	6·1	1011·7	1012·4	− 1·1	302·6	304·2	8, 9, 10	296·5	294·3	29th	299·6	*299·2*	+ 1·2	195	..
656	Mandalay	21 59	96 0	76·2	1005·6	1014·3	− 0·3	304·1	307·7	10th	294·4	291·1	3rd	299·3	*298·7*	+ 1·0	127	..
656a	Tengyueh	25 2	98 33	1626	..	..	..	293·2	295·8	7th	281·4	276·9	6th	287·3	*286·5*	+ 1·2	24	..
657	Phu Lien	20 48	106 38	116	1004·8	1018·4	+ 1·3	299·8	302·9	7th	290·7	285·0	25th	295·3	294·3	+ 0·3	1	..
658	Moncay	21 31	107 51	9·0	1017·7	1018·8	+ 1·4	298·9	302·1	1st, 7th	288·3	280·1	26th	293·6	*294·7*	− 0·3	2	..
659	Hongkong	22 18	114 10	33·2	..	1018·4	+ 0·9	296·0	300·5	7th	290·7	282·6	25th	293·3	293·1	− 0·6	0	..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1019·4	1020·5	+ 1·9	296·7	303·3	19th	287·7	284·0	24th	292·2	291·7	− 1·0	4	..
661a	Basco	20 28	121 59	18·7	..	1013·4	+ 0·7	298·9	302·8	6th	294·9	291·8	24th	296·9	*296·6*	− 1·0	107	..
662	Naha	26 13	127 41	8·2	1018·0	1019·2	+ 1·6	295·6	299·8	1st	288·6	282·4	28th	292·1	291·9	− 1·8	47	..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1015·5	1016·0	− 0·1	297·7	301·1	7th	292·4	287·7	30th	295·1	294·9	− 0·7	294	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
715	Colima	19 12	103 45	498	957·8	1013·6	..	305·2	309·2	2nd	290·6	288·6	26th	297·9	*296·4*	+ 0·9	0	..
716	Morelia	19 42	101 7	1923	..	..	..	294·4	296·6	13th	281·6	278·5	24th	288·0	*287·2*	− 0·5	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	777·1	..	+ 1·0	294·0	297·2	11th, 13th	277·4	274·1	21st	285·7	285·1	− 1·2	0	− 15
718	Salina Cruz	16 12	95 12	56	1006·9	1013·3	− 0·2	302·3	304·6	12th	295·4	291·8	24th	298·8	*298·9*	0·0	0	− 27
719	San Salvador	13 42	89 12	682	938·0	1014·0	+ 1·2	302·0	304·4	11th, 12th	290·0	286·2	10th	296·0	*294·8*	− 0·7	3	− 35
720	Belize	17 29	88 12	5·2	1015·8	1016·3	+ 1·2	300·2	302·4	7th, 9th	291·6	286·9	18th	295·9	*295·3*	− 2·5	106	− 105
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1011·5	− 0·4	302·4	304·8	5th	295·4	292·2	29th	298·9	*298·6*	− 0·1	52	− 57
722	Port au Prince	18 33	72 20	37·4	1008·0	1012·3	− 0·8	303·2	305·5	23rd	295·0	292·2	28th	299·1	*298·5*	− 0·1	135	+ 48
723	Caracas	10 30	66 56	1042	898·6	1013·0	+ 0·8	297·3	299·0	13th	288·2	284·9	28th	292·8	*292·1*	− 0·5	152	+ 67
723a	Montserrat	16 41	62 9	39·6	1007·9	1012·5	− 0·8	302·4	305·2	2nd, 13th	296·3	293·0	28th	299·4	*299·0*	+ 0·3	151	− 9
724	San Juan, Porto Rico	18 29	66 7	25·0	1009·7	1012·5	− 1·1	301·7	304·7	12th	295·9	294·1	28th	298·8	*298·5*	+ 0·1	276	+ 101
724a	Grenada (Richmond Hill)	12 5	61 46	155	‡993·6	‡1011·5	+ 0·3	301·9	304·7	1st	296·7	294·1	30th	299·3	*298·7*	0·0	250	+ 41
725	ϕBarbados	13 8	59 36	55·2	..	1012·1	0·0	302·3	303·4	10th	..	..	..	..	*298·6*	+ 0·4	103	− 62
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·3	1013·6	− 0·1	299·5	301·0	4th, 17th	293·5	290·5	23rd	296·5	*297·4*	− 0·2	0	− 7
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	301·1	304·2	14th	296·0	293·1	27th	298·6	*298·6*	+ 0·2	0	− 12
733	Dakar	14 40	17 26	32	1008·9	1012·6	..	303·1	307·8	13th	296·6	293·0	21st	299·9	*298·9*	+ 0·8	7	+ 6
734	Bathurst	13 27	16 34	1·8	1013·5	1013·6	+ 0·3	304·0	305·2	9th, 10th	296·5	291·9	22nd	300·3	*300·5*	+ 1·1	19	+ 14
734a	M'Carthy Island	13 33	14 45	11	..	..	..	..	309·7	..	..	291·9	..	..	..	..	0	− 4
735	Niénébalé	12 57	7 26	300	..	..	..	307·2	309·0	13th, 14th	288·8	282·4	28th	298·0	*297·6*	..	1	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	309·2	311·3	18th	..	..	..	..	‡*300·1*	− 0·8	0	0
738	ϕKaduna Capital	10 32	7 25	637	944·8	1015·9	+ 1·1	305·6	307·4	16th, 19th	..	..	..	..	‡*298·7*	+ 0·4	0	− 4
739	Hadejia	12 40	10 5	?	..	..	..	307·6	310·2	18th	..	..	..	..	‡*299·3*	− 1·3	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	308·0	311·9	18th	289·6	286·3	20th	298·8	*298·3*	− 0·9	0	..
741	El Fasher	13 32	25 18	730	..	..	..	306·2	309·5	13th	285·7	280·5	29th	296·0	*294·4*	..	0	..
743	El Obeid	11 37	30 14	569	947·1	1010·3	0·0	307·2	311·5	1st, 14th	290·0	284·5	25th, 26th	298·6	*298·8*	+ 1·3	0	..
743a	Khartoum	13 11	32 33	390	?967·2	?1011·0	+ 0·8	307·5	310·6	12th	293·4	287·4	25th, 26th	300·5	‡*300·4*	− 0·4	0	0
744	Port Sudan	19 37	37 13	5·5	1011·9	1012·7	+ 0·1	303·8	306·5	3rd	297·3	294·1	7th	300·6	*300·0*	+ 0·1	69	+ 27
745	Berbera, Somaliland	10 22	45 2	9·5	1013·5	1014·6	− 0·2	306·0	308·6	5th	293·1	290·2	23rd, 24th	299·5	*300·3*	− 0·3	1	− 4
746	Aden	12 45	45 3	28·7	1012·6	1015·9	+ 0·8	303·7	306·4	4th	296·1	294·7	19th	299·9	*299·3*	+ 0·4	0	− 2
751	Bombay	18 54	72 49	11·3	1011·5	1012·8	− 0·9	303·3	305·3	1st	295·4	293·4	20th	299·4	298·3	− 0·6	10	− 1
752	Kodaikanal	10 14	77 28	2343	770·0	..	− 1·4	289·7	292·9	26th	282·6	278·7	19th	286·2	*285·3*	+ 0·4	163	− 44
752a	Bangalore	12 59	77 38	921	910·5	1011·5	− 1·4	300·4	302·7	26th, 27th	289·8	286·3	16th	295·1	*294·6*	+ 0·7	33	− 41
753	Madras	13 4	80 14	6·7	1010·1	1010·9	− 1·9	301·9	304·7	1st	295·5	292·2	15th	298·7	*298·2*	− 0·3	409	+ 47
754	Vizagapatam	17 42	83 19	11·6	1010·3	1011·7	− 2·2	301·4	304·4	3rd	296·1	293·3	26th	298·7	*298·3*	+ 0·2	269	+ 174
755	Port Blair	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
756	Rangoon	11 40	92 40	18·0	1008·7	1010·8	− 1·0	302·2	304·1	9th	298·1	296·3	14th	300·1	*299·7*	− 0·5	378	+ 137
757	Saigon (Cap St. Jacques)	16 46	95 48	5·5	1012·5	1013·2	− 0·3	304·9	306·4	8th	296·2	291·4	28th	300·6	*299·7*	+ 0·9	31	− 40
758	Nhatrang	10 20	107 5	180	989·2	1009·9	+ 0·5	300·2	304·1	3rd	294·9	291·5	28th	297·6	*297·2*	− 0·8	42	− 54
759	Bolinao	16 23	119 53	7·1	1010·8	1011·2	0·0	300·2	303·2	3rd	295·1	292·3	26th	297·6	*297·2*	− 0·9	606	+ 193
761	Vigan	17 34	120 23	12·2	..	1008·8	− 0·2	304·1	306·6	12th	295·9	294·4	29th	300·0	*299·6*	− 0·3	16	− 30
761a	Manila	14 35	120 59	14·2	..	1009·4	− 0·8	304·0	307·1	5th	296·2	290·3	25th	300·1	299·9	+ 0·1	22	− 12
762	Ormoc	11 0	124 36	5·6	..	1009·7	− 0·1	302·9	305·4	6th	295·2	290·7	25th	299·1	298·1	− 0·7	306	+ 173
763	Guam, Ladrone Is.	13 24	144 38	18·6	..	1007·4	− 0·6	304·6	306·6	9th	295·2	291·8	26th	299·9	*298·8*	+ 0·1	285	+ 40
		N.	E.			1007·6	− 0·4	304·6	306·6	9th	295·2	291·8	26th	299·9	*298·8*	+ 0·1	285	+ 40
						1008·3	+ 0·4	302·4	304·3	13th	297·8	295·8	20th	300·1	*300·2*	+ 0·2	225	+ 41

Between Latitude 10° N. and 0°.																		NOVEMBER—ZONE 8.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1011·4	1011·9	..	304·8	305·9	16th, 17th	..	..	..	..	‡*302·2*	0·0	9	− 70
822	Colon	9 23	79 23	11·0	..	1011·4	+ 0·6	302·2	305·2	1st	296·4	295·8	5th	299·3	*298·9*	− 0·1	769	+ 243
822a	Bogota	4 36	74 5	2645	744·7	..	..	291·0	293·6	8th	283·0	281·5	30th	287·0	*286·3*	..	248	+ 131
823	Merida, Venez	8 36	71 9	1641	‡840·7	..	− 0·3	295·9	297·2	8th	288·2	284·7	29th	292·1	*291·3*	+ 0·1	186	− 17
824	Ciudad Bolivar	8 9	63 33	38	1006·1	1010·4	..	304·4	306·5	14th	299·7	294·8	19th, 21st	302·1	*301·7*	..	91	+ 4
825	El Peru, Guayanavieja	7 19	61 49	220	984·4	1009·3	+ 0·4	302·3	303·5	24th	293·8	292·8	19th	298·1	*297·5*	− 0·4	28	− 55
826	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1011·5	+ 0·4	303·7	304·7	22nd	296·9	295·2	20th	300·3	*299·8*	− 0·2	118	− 36
826a	Paramaribo	5 49	55 9	3·7	‡1010·7	‡1011·1	− 0·5	305·1	306·5	13th	294·7	293·4	30th	299·9	*300·1*	0·0	93	− 29
831	Cayenne	4 56	52 21	6	..	..	..	304·6	308·0	5th	295·3	294·0	16th, 28th	300·0	*299·8*	− 0·6	21	− 96
833	10°—5° N. 30°—25° W.	†† 5	†† 27 5	§(96-99)	..	1013·0	+ 1·5	..	..	Sea Temp. 299·7	−0·1	..	..	..	..	..	..	..
834	Konakri	9 31	13 43	16	1011·6	1013·4	+ 2·8	302·7	305·5	16th	293·9	292·5	17th	298·3	*297·7*	− 1·9	146	+ 20
835	Freetown, Sierra Leone	8 29	13 14	68·3	1005·3	1013·1	+ 2·2	303·3	304·7	1, 11, 14	294·7	292·4	3rd	299·0	*298·2*	− 1·3	140	+ 10
836	Assuantsi	5 18	1 15	101	..	..	..	302·0	303·6	24th	294·1	293·0	10, 21, 28	298·1	*297·6*	..	80	− 10
837	Accra	5 33	W 0 12	27·0	1008·3	1011·4	..	303·4	304·7	18, 26, 30	295·4	294·7	sev. dates	299·4	*298·9*	− 0·2	3	− 31
838	Lagos	6 27	E 3 24	4·6	1009·6	1010·0	− 0·1	304·1	305·2	25, 27, 28	297·4	294·7	2nd	300·7	*300·2*	+ 0·1	21	− 47
839	Zungeru	9 48	6 10	130	..	..	..	308·1	309·7	28th	290·4	284·1	10th	299·2	*298·7*	− 0·3	0	− 4
841	Yola	9 12	12 30	259	..	..	..	308·9	311·3	15th	291·9	288·6	20th	300·4	*299·9*	− 0·5	0	− 4
843	Wau	7 42	28 3	440	..	..	..	308·1	310·0	20th, 22nd	291·9	290·0	29th, 30th	300·0	*298·8*	+ 0·1	18	+ 1
843a	Malakal (Kodok)	9 35	31 37	394	965·2	1009·4	+ 0·5	309·4	312·1	13th	291·4	287·4	9th	300·4	*299·4*	+ 0·3	0	− 8
844	Mongalla	5 11	31 47	439	958·6	1007·5	− 0·6	309·1	312·2	17th	293·2	291·1	20th	301·2	*299·6*	+ 0·5	5	− 41
851	ϕEntebbe	0 5	32 29	1171	883·5	1009·7	0·0	299·4	301·3	9th	290·3	288·6	6th, 24th

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	1	—
924	ϕManaos	3 8	60 1	43·8	1004·8	1009·8	..	306·3	310·0	8th	296·3	294·6	14th, 20th	301·3	*300·2*	0·0	92	—
926	Taperinha	2 30	54 20	20·0	1007·8	1010·1	+ 0·3	305·2	306·6	15th	295·4	294·0	3rd	300·3	*299·2*	— 0·1	64	+
927	Turyassu	1 43	45 26	9·1	1009·3	1010·5	+ 0·2	305·8	307·2	19th, 26th	295·6	293·7	14th	300·7	*299·9*	— 0·1	8	—
928	Barra do Corda	5 30	45 16	81·0	999·7	1009·0	+ 0·1	304·5	307·6	10th	294·5	293·2	sev. dates	299·5	*298·4*	— 1·2	16	+
929	Quixeramobim	5 16	39 15	207	988·5	1011·8	+ 1·0	305·7	306·6	28th	297·2	296·0	1st	301·4	*301·0*	— 0·4	6	+
930	Fernando Noronha	3 50	32 25	106	1000·5	1012·4	+ 0·2	300·9	301·5	1st, 30th	297·7	296·5	23rd	299·3	*298·8*	+ 0·6	7	..
										Sea Temp.								
930*a*	5°—10° S. 35°—30° W.	††7 17	††32 52	§(90–93)	..	1011·4	..	..	..	298·8| —0·3	..	..	..	..	298·9	..	..	..
930*b*	0°— 5° S. 35°—30° W.	††2 28	††31 25	§(27)	..	1008·4	..	..	..	298·9| —0·2	..	..	..	..	299·2	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1013·3	1015·1	+ 0·7	300·8	302·4	12th	294·9	293·6	4, 15, 26	297·9	*297·1*	— 0·1	6	..
939	ϕLoanda	8 49	E 13 13	51	..	1012·2	+ 0·8	300·2	301·4	10th, 29th	295·4	294·0	2nd	297·8	297·4	— 0·2	21	—
940	Brazzaville	4 17	15 16	321	976·0	1012·1	+ 0·3	304·7	308·0	4th	294·1	292·0	2nd	299·4	*298·7*	+ 0·5	481	+
943	ϕMasaka	0 21	31 47	?1280	..	..	..	300·0	301·9	9th	288·0	286·3	25th	294·0	*293·6*	+ 1·0	108	+
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	147	+
944*a*	Zanzibar	6 10	39 11	21·9	1012·7	1015·2	+ 0·5	302·4	303·6	14th	298·1	296·9	1st	300·3	*299·7*	+ 0·1	81	—
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	297·4	296·9	5, 8, 19	..	..	..	40	+
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1013·0	+ 0·7	301·5	302·5	28th	297·6	295·6	4th	299·5	*298·7*	+ 0·1	294	..
957	Padang	0 56	100 22	6·7	..	1010·9	+ 0·1	..	..	..	..	..	..	..	..	..	452	..
958	Batavia	6 11	106 50	8·0	1008·4	1009·3	— 0·4	303·7	305·7	6th	296·6	295·1	11th	300·2	299·4	+ 0·1	150	—
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 0·6	..	..	..	..	..	..	..	..	..	318	+
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	80	+
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	530	+
962	Amboina	3 42	128 10	4·2	..	1008·5	— 0·4	..	..	..	..	..	..	..	..	..	229	+
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	183	+
965	ϕDaru	9 4	143 13	7·6	..	1007·8	— 2·3	303·6	..	..	297·7	..	..	300·7	*300·3*	+ 0·6	257	+
966	Port Moresby	9 29	147 9	39·0	..	1009·1	— 0·9	305·2	..	..	298·1	..	..	301·7	*301·2*	+ 1·3	74	+
967	Rabaul	4 9	152 12	20·7	..	1008·0	..	306·1	308·0	5th	295·6	294·1	5th, 8th	300·8	*300·1*	0·0	240	+
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	304·6	306·1	3rd	297·4	296·6	3rd, 12th	301·0	*300·8*	+ 0·1	294	+
970	Ocean Island	0 52	169 35	54·0	1003·8	1009·9	— 0·5	304·2	305·2	3rd, 16th	298·7	296·3	18th	301·4	*300·6*	+ 0·3	4	—
		S.	E.															

NOVEMBER—ZONE 10. Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·1	+ 1·6	302·6	304·2	27th	296·1	295·1	15th	299·4	299·2	+ 0·3	260	+
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	303·6	306·9	27th	294·6	291·3	19th	299·1	*298·9*	+ 0·9	247	..
1021	Arequipa	16 22	71 33	2452	761·7	..	+ 1·1	292·7	294·2	18th	282·2	279·9	29th	287·4	*286·9*	0·0	0	—
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	..	..	..	..	*290·6*	..	2	—
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	995·2	1008·2	+ 0·3	307·0	312·0	sev. dates	294·3	288·2	9th	300·6	*300·7*	+ 0·4	91	—
1026	Cuyaba	15 36	56 6	165	989·7	1008·4	— 0·2	306·0	311·6	1st	294·5	290·5	9th	300·2	*299·4*	— 0·6	259	—
1027	Bello Horizonte	19 55	43 57	895	913·2	1012·0	+ 0·6	299·4	305·6	3rd	289·7	286·0	10th	294·6	*294·0*	— 0·3	299	—
1028	Caetite	14 3	42 37	897	914·8	1013·5	+ 0·9	299·8	302·8	28th	290·4	287·3	6th	295·1	*294·6*	— 1·3	59	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·3	1012·7	+ 0·3	300·9	302·6	28th	295·3	293·6	12th	298·1	*298·0*	— 0·1	84	—
1030	Aracaju	10 55	37 3	6·1	1013·8	1014·6	+ 1·0	301·3	301·9	30th	295·4	292·9	26th	298·4	*298·6*	— 0·7	2	—
										Sea Temp.								
1030*a*	15°—20° S. 40°—35° W.	††17 18	††37 47	§(71–72)	..	1014·3	..	..	..	297·8| —0·2	..	..	..	..	298·1	..	..	..
1030*b*	10°—15° S. 40°—35° W.	††12 56	††36 13	§(40)	..	1010·9	..	..	..	298·4| —0·4	..	..	..	..	299·1	..	..	..
1035	St. Helena	15 57	W 5 40	604	947·0	1016·1	+ 1·7	293·1	294·1	22nd	285·9	285·2	9th, 30th	289·5	*289·6*	+ 0·9	59	..
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	300·0	22nd	..	285·2	30th	..	292·7	..	5	..
1041	Livingstone	17 51	25 51	972	905·0	1009·2	..	306·0	310·7	6th	292·8	289·5	27th	299·4	..	..	137	..
1041*a*	Elisabethville	11 39	27 28	1236	877·4	1009·2	+ 1·1	303·0	306·5	7th	289·1	286·6	6th	296·1	..	— 0·1	69	..
1042	Gwelo	19 28	29 48	1417	..	..	..	302·6	308·6	4, 5, 6	288·9	285·2	1st, 23rd	295·7	..	+ 0·8	124	..
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	852·8	1008·1	— 0·6	300·7	306·6	3rd	288·7	285·9	11th	294·7	293·3	+ 0·2	110	..
1044	Zomba	15 23	35 18	955	906·5	1010·0	+ 0·2	305·4	308·6	26th	292·7	289·1	12th, 13th	299·1	*297·8*	+ 1·9	18	..
1044*a*	Mossuril	14 57	40 40	15	..	1013·4	..	305·6	307·5	8th	294·9	291·8	13th	300·3	299·9	..	8	..
1045	Antananarivo	18 55	47 33	1375	865·4	1013·1	+ 0·4	299·8	302·4	6th	285·9	281·5	1st	292·9	292·3	— 0·4	168	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1047	Vohémar	13 21	50 1	3	..	1005·6	..	304·0	305·2	..	294·6	293·0	..	299·3	298·7	..	66	..
1148	Antalaha	14 58	50 19	3	..	1010·8	..	..	..	..	..	..	..	..	..	..	3	..
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1012·2	1012·9	— 0·7	302·3	304·7	28th	297·4	296·3	27th	299·8	*299·4*	— 0·1	118	..
1057	Christmas Island	10 25	105 43	5·5	1007·5	1008·1	— 0·8	303·2	304·7	6, 7, 8	296·6	294·7	9th, 13th	299·8	*299·3*	— 0·5	273	..
1061	Kupang	10 10	123 34	45·1	..	1009·6	+ 0·4	305·1	307·4	29th	296·9	296·0	23rd	301·0	300·4	— 0·2	269	..
1061*a*	Derby	17 18	123 40	16·2	1007·2	1009·2	— 0·1	308·2	316·2	30th	298·4	295·9	28th	303·3	..	— 0·3	0	..
1062	Hall's Creek	18 13	127 46	373	966·7	1007·3	— 1·5	311·0	313·1	19th	296·6	288·7	28th	303·8	*303·1*	+ 0·4	5	..
1063	Darwin	12 28	130 51	29·6	1005·5	1008·9	+ 0·3	307·7	311·3	27th	299·5	296·4	16th	303·6	*302·4*	+ 0·7	117	..
1064	Daly Waters	16 16	133 23	211	982·8	1006·1	— 1·8	311·3	314·1	23rd	296·6	291·3	18th	303·9	*303·2*	— 0·3	82	..
1065	Mein	13 13	142 47	122	993·1	1006·8	— 1·5	308·7	311·9	25th	295·1	291·6	1st	301·9	*301·0*	+ 0·7	55	..
1066	ϕGeorgetown, Queensland	18 22	143 32	302	976·3	1009·6	— 0·6	309·2	311·9	23rd	296·0	290·8	17th	302·6	..	+ 0·8	30	..
1066*a*	Willis Island	16 18	149 59	8·5	1009·7	1010·7	..	302·8	304·4	26th	297·9	294·3	30th	300·4	*300·0*	..	46	..
1067	Samarai	10 37	150 40	15·2	..	1008·4	— 1·3	302·8	..	..	298·7	..	..	300·8	*300·6*	+ 1·2	89	..
1072	ϕSuva, Fiji	18 8	178 26	6·1	1011·9	1012·6	+ 0·2	301·6	302·7	3rd	295·2	292·3	2nd	298·4	*298·2*	+ 0·3	233	..
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of the observations. ϕ Change of normals, *see* page 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	300·9	303·6	6th	294·7	290·8	23rd	297·8	*297·6*	+ 1·1	116	— 46
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·6	1017·8	+ 1·8	290·7	293·0	20th	285·9	283·9	2nd	288·3	*288·0*	+ 0·5	0	— 1
1122	Iquique	20 12	70 11	9	1016·0	1017·1	+ 1·6	294·4	297·4	12th	286·3	285·2	7th, 18th	290·3	*291·1*	— 0·4	0	0
1123	Catamarca	28 27	65 47	510	952·3	1009·2	+ 1·6	304·9	312·5	25th	289·6	281·8	30th	297·3	*296·8*	— 0·8	24	— 10
1124	Salta	24 46	65 28	1178	881·9	1009·6	+ 1·5	300·7	308·4	2nd	286·3	280·0	27th	293·5	*294·0*	— 0·1	19	— 38
1125	Goya	29 9	59 15	26	1009·6	1012·6	+ 3·2	302·5	312·9	18th	287·4	282·0	30th	295·0	*294·7*	— 0·8	95	— 9
1126	ϕAsuncion	25 17	57 41	93	1001·1	1011·8	+ 2·0	303·4	309·3	18th	289·2	284·5	28th	296·3	*296·0*	— 1·7	152	+ 9
1127	Curityba	25 25	49 17	908	912·0	1013·2	0·0	297·0	305·5	3rd	284·4	278·8	9th	290·7	*289·5*	— 1·4	108	— 18
1128	Rio de Janeiro	22 54	43 10	18·3	1011·3	1013·4	+ 0·9	298·7	306·1	7th	292·7	289·2	9th, 10th	295·7	295·2	— 0·7	101	— 2
1128*a*	25°—30° S. 50°—45° W.	††27 21	††47 24	§(92–95)	..	1013·6	..	..	..	291·3| —2·9	..	..	..	..	291·9	..	..	..
1128*b*	20°—25° S. 45°—40° W.	††23 8	††42 33	§(56–59)	..	1013·6	..	..	..	294·1| —1·7	..	..	..	..	295·0	..	..	..
1139	Windhoek		W.															
1141	Kimberley	22 34	E 17 5	1669	..	..	..	300·5	303·7	23rd	287·6	282·0	11th	294·0	*294·2*	— 1·3	4	— 17
1141*a*	ϕJohannesburg	28 42	24 47	1202	881·4	1011·2	+ 0·9	301·5	308·7	23rd	285·9	279·8	16th	293·7	293·6	— 0·9	55	+ 17
1142	Bulawayo	26 11	28 4	1806	822·3	1013·0	+ 0·1	295·2	300·7	24th	284·7	279·2	10th	290·0	*289·6*	— 0·6	104	— 22
1143	Durban	20 9	28 35	1340	867·6	1010·2	— 0·2	301·3	308·6	3rd	289·2	286·2	22nd	295·3	*294·9*	— 0·2	154	+ 71
1144	Lourenço Marques	29 52	31 3	15·2	1015·8	1017·6	+ 1·2	297·8	304·7	24th	291·4	286·6	8th	294·6	*294·1*	— 0·1	155	+ 29
1145	Tulear	25 58	32 36	59	..	1014·9	+ 0·3	300·3	308·4	13th	292·6	287·9	10th	296·5	295·9	— 0·3	76	0
1146	Fort Dauphin	23 23	43 40	4	..	..	..	..	..	..	289·4	288·2	..	..	..	..	..	..
1147	Mauritius	25 2	46 58	25	..	1004·9	..	..	..	..	288·0	284·0	..	..	..	..	21	..
1159	Onslow	20 6	57 33	55·2	1009·4	1015·8	— 0·3	301·0	303·2	9th	291·8	287·3	2nd	296·4	296·1	— 0·8	36	— 4
1160	Cue	21 43	114 57	4·3	1008·1	1009·1	— 0·8	307·2	314·5	26th	290·7	286·6	4th	298·9	..	— 0·5	0	— 1
1161	ϕNullagine	27 27	117 52	454	960·2	1010·8	0·0	304·1	315·8	29th	288·9	281·9	11th	296·5	..	— 1·8	12	+ 5
1162	ϕLaverton	21 53	120 5	386	965·0	1007·2	— 0·9	310·2	315·3	30th	292·6	287·8	6th	301·4	..	— 1·4	1	— 13
1163	Alice Springs	28 40	122 23	466	958·5	1010·5	— 1·4	305·6	315·9	29th	289·8	282·7	8th	297·7	*297·5*	+ 0·3	1	— 17
1164	William Creek	28 55	133 37	587	944·8	1009·2	— 0·7	304·8	312·4	20th	289·6	283·0	26th	297·2	*297·0*	— 1·9	90	+ 64
1164*a*	ϕBoulia	28 55	136 21	76·2	1002·3	1011·1	— 1·4	304·3	314·1	30th	290·1	285·8	8th	297·2	*296·7*	— 0·7	48	+ 37
1165	Thargomindah	27 58	143 43	123	996·1	1010·1	— 0·6	304·4	311·0	29th	292·4	286·4	13th	298·4	*298·0*	— 0·9	40	+ 16
1166	Mitchell	26 32	147 52	336	973·5	1010·9	— 0·5	302·0	306·3	30th	288·8	282·7	17th	295·4	..	— 1·8	178	+128
1167	Rockhampton	23 24	150 30	11·3	1010·7	1012·0	— 1·2	303·4	309·0	24th	293·7	289·9	26th	298·6	*298·0*	0·0	97	+ 42
1168	Brisbane	27 28	153 2	41·8	1008·8	1013·2	— 1·2	300·2	305·7	15th	291·5	289·3	26th	295·9	*295·3*	— 0·2	160	+ 65
1170	Norfolk Island	29 4	167 59	15·2	..	..	..	..	..	..	..	..	..	..	..	..	57	— 13
		S.	E.															

Between Latitude 30° S. and 40° S. NOVEMBER—ZONE 12.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	979·8	1020·9	..	288·5	293·1	24th	282·7	281·3	12th	285·6	*284·9*	..	45	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1003·6	1018·1	+ 1·5	289·5	294·4	30th	282·4	279·5	26th	285·9	*286·1*	0·0	2	— 16
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1012·4	1017·3	+ 1·1	293·3	298·0	15th, 21st	284·1	281·2	3rd	288·7	*288·1*	— 0·6	1	— 7
1222*a*	Santiago	33 27	70 42	520	955·5	1015·3	+ 0·7	299·4	304·8	22nd	281·4	277·2	2nd	290·4	*289·5*	+ 0·4	0	— 6
1224	Cordoba	31 25	64 12	423	964·3	1012·6	+ 1·8	302·3	307·9	24th	285·1	278·2	27th	293·7	293·2	0·0	54	— 47
1225	Bahia Blanca	38 45	62 15	25	1010·8	1013·9	+ 1·4	297·7	307·2	24th	283·0	277·8	3rd	290·4	*290·3*	— 1·3	8	— 45
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1012·1	1015·0	+ 1·4	296·9	307·8	6th	284·1	277·0	14th	290·5	290·4	— 1·4	42	— 39
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1012·8	— 0·4	..	301·0	6th	..	279·0	9th	..	..	— 2·7	80	— 8
1226*b*	ϕPorto Alegre	30 2	51 13	23·5	1011·0	1013·8	+ 0·9	297·6	310·5	2nd	285·2	279·4	17th	291·4	291·3	— 2·6	38	— 41
										Sea Temp.							
1239	30°—35° S. 55°—50° W.	††32 25	††51 48	§(74–79)	..	1016·4	..	..	..	287·7| —3·2	..	..	..	..	288·9	..	..	..
1240	ϕCape Town	33 56	E 18 29	12·2	..	1017·2	+ 1·4	294·6	304·1	30th	285·6	278·8	14th	290·1	*289·0*	— 0·9	38	+ 10
1241	Danger Point	34 37	19 18	27·7	1012·1	1015·4	..	292·2	297·4	30th	285·9	283·0	9, 10, 15	289·1	..	— 0·6	56	+ 14
1242	Riversdale	34 6	21 16	?100	..	..	..	297·3	304·4	30th	284·7	279·4	9th	291·0	..	..	60	+ 25
	East London	33 2	27 55	44·8	..	1016·6	+ 1·5	296·6	300·8	14th	288·6	282·4	16th	292·6	..	+ 0·8	54	— 11
1259	Perth (Observatory)	31 57	115 51	60·0	1007·4	1014·4	— 1·2	296·7	307·2	15th	286·2	281·8	9th	291·4	*291·1*	— 0·5	66	+ 46
1260	Katanning	33 42	117 35	310	977·6	1014·0	— 0·8	295·8	305·4	28th	281·9	276·9	3rd	288·8	..	— 1·8	27	+ 10
1261	ϕCoolgardie	30 57	121 10	423	964·0	1011·5	— 1·4	302·7	315·8	28th	286·2	281·6	8th	294·4	294·2	— 0·1	7	— 8
1262	Eucla	31 45	128 58	4·6	1011·6	1012·3	— 2·3	295·5	314·4	28th	286·2	277·7	8th	290·8	*290·2*	— 1·0	2	— 16
1263	ϕStreaky Bay	32 48	134 13	13·1	1011·7	1013·2	— 2·1	299·2	310·8	10th	286·3	280·3	1st	292·8	*292·0*	+ 0·4	6	— 11
1264	Adelaide	34 56	138 35	42·7	1008·2	1013·1	— 2·0	297·7	*311·2*	29th	285·8	278·4	1st	291·8	*291·3*	— 0·6	48	+ 19
1265	Melbourne	37 49	144 58	35·1	1007·6	1011·7	— 2·7	293·9	303·4	29th	284·6	280·2	3rd	289·2	*289·0*	— 0·1	108	+ 51
1266	Bourke	30 13	145 58	110	1001·5	1014·3	— 1·0	303·8	313·6	30th	289·3	284·1	13th	296·6	..	— 1·7	87	+ 55
1267	Sydney	33 51	151 13	42·1	1007·5	1012·4	— 1·3	295·7	307·2	30th	287·6	283·8	16th	291·7	*291·4*	— 0·7	78	+ 6
1268	Lord Howe Island	31 20	159 0	4·6	1014·3	1014·9	— 0·9	295·1	299·4	30th	289·0	285·3	3rd	292·1	..	— 0·7	251	+145
1271	Auckland	36 50	174 50	38·1	..	1016·3	+ 1·5	292·3	294·4	30th	286·2	282·4	5th	289·2	..	+ 0·5	119	+ 36
1272	ϕNapier	39 29	176 55	1·5	..	..	..	292·9	298·0	17th, 30th	285·1	279·9	9th	289·0	..	+ 0·1	45	— 18
		S.	E.															

Between Latitude 40° S. and 50° S. NOVEMBER—ZONE 13.

		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1015·1	..	..	..	..	..	..	..	..	..	..	51	— 19
1321	ϕIsla Guafo	43 34	74 45	140	1003·5	1020·5	+ 4·3	285·1	289·9	21st	279·2	275·6	2nd	282·1	*282·5*	— 0·1	36	— 29
1322	Punta Galera	40 1	73 44	40	1015·8	1020·7	+ 3·1	286·0	291·2	20th	281·1	278·2	14th	283·5	*284·1*	— 1·0	43	— 64
1323	Sarmiento	45 30	69 0	274	980·2	1010·8	+ 1·8	295·6	302·4	30th	280·4	272·8	26th	288·0	*287·7*	+ 1·0	1	— 5
1324	Puerto Madryn	42 49	W64 58	14	1010·9	1012·3	+ 2·2	295·7	304·4	18th	280·2	273·6	17th	288·0	*287·4*	— 1·5	1	— 8
1365	Launceston	41 27	E147 10	10·1	1007·7	1008·9	— 1·8	292·6	299·7	20th	282·1	275·7	15th	287·3	*286·5*	— 0·2	73	+ 27
1366	Hobart	42 53	147 20	53·9	1001·8	1008·3	— 1·0	291·1	298·6	20th	282·3	277·6	2nd	286·7	*285·9*	— 0·3	82	+ 19
1371	Invercargill	46 25	168 21	3·7	..	..	..	292·4	298·6	17th	280·2	273·0	20th	286·3	..	+ 1·7	22	— 90
1371*a*	Dunedin	45 52	170 31	91·4	..	1013·0	+ 4·0	291·3	299·1	15th	282·1	277·4	19th	286·7	..	+ 1·9	43	— 41
1372	Christchurch	43 31	172 39	7·6	..	1013·4	+ 4·9	292·3	300·0	16th	282·3	276·8	30th	287·3	..	+ 0·7	63	+ 16
	Wellington	41 16	174 46	3·0	..	1016·0	+ 4·6	291·1	295·9	19th	284·6	279·2	4th	287·8	..	+ 1·0	74	— 15
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 113 and 114.

RÉSEAU MONDIAL

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1002·8	1009·6	+ 7·7	281·0	284·8	3rd	277·1	274·0	1st	279·1	*279·2*	0·0	287	+ 56
1422	Puerto de Punta Arenas	53 10	70 54	28	1001·4	1004·8	+ 4·3	285·2	290·0	21st	278·5	273·2	6th	281·9	*282·2*	+ 0·8	23	+ 13
1423	ϕPunta Dungeness	52 24	68 26	5	1003·2	1003·8	+ 4·9	283·6	287·8	29th	277·5	274·0	5th	280·5	*281·3*	− 0·2	24	− 7
1424	Santa Cruz	50 11	68 21	12	1005·7	1006·7	+ 3·3	290·7	300·5	23rd	280·0	274·0	2nd	285·4	*285·1*	+ 0·4	5	..
1424a	Año Nuevo	54 39	64 8	50	993·2	999·3	+ 2·6	283·0	289·0	23rd	276·0	271·5	7th	279·5	*278·4*	− 0·5	80	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1000·0	..	283·1	290·2	22nd	275·8	271·3	7th	279·4	..	..	37	− 19
1426	Cape Pembroke	51 41	57 42	21·3	998·3	1000·8	+ 1·6	281·7	286·9	30th	275·7	272·4	7th, 8th	278·7	279·1	− 0·7	..	..
1429	S.Georgia(CumberlandBay)	54 14	36 33	4	992·1	992·6	− 1·0	279·1	290·6	22nd	272·0	268·6	10th	275·5	*275·9*	− 0·1	53	− 51
		S.	W.															
NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.																		
1527	South Orkneys.	60 44	44 39	7 metres	987·2 mb.	988·1 mb.	− 1·0 mb.	272·2 °A.	277·5 °A.	23rd	267·7 °A.	262·4 °A.	16th	270·0 °A.	270·2 °A.	− 0·6 °A.	63 mm.	+ 56 mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805 Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1078. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	8h.
1	SE	7·7	ESE 8	NE 2 SW 2	NE 2 Calm 0	E 2 E 1	SE 2	E 3 ESE 3	Calm
2	SE	..	ESE 9	ENE 1 SW 2	N 2 NW 2	E 2 E 1	NW 6	ESE 3 ESE 3	Calm
3	ESE	8·2	SE 6	ENE 1 Calm 0	NE 1 Calm 0	E 2 E 2	SE 2	E 2 E 3	NE
4	SE	7·0	SE 7	Calm 0 SW 2	N 1 Calm 0	E 1 E 2	SE 4	E 3 E 3	Ebyl
5	SE	6·7	SE 6	Calm 0 Calm 0	NW 2 Calm 0	E 1 E 1	SE 1	E 3 E 3	WSW
6	ESE	7·7	SE 4	E 1 Calm 0	Calm 0 Calm 0	E 1 E 1	ESE 6	E 4 E 3	Calm
7	SE	10·4	SE 6	ENE 1 W 1	N 2 SW 4	E 2 E 1	SE 5	E 3 E 3	Calm
8	SE	10·7	SE 9	Calm 0 SW 1	N 2 NW 1	E 2 EbyN 2	Calm 0	E 4 E 3	ENE
9	SE	8·5	SE 6	WNW 1 SW 1	N 2 NW 1	E 2 E 2	SE 4	ENE 4 E 3	SE
10	SE	4·8	SE 8	Calm 0 W 2	Calm 0 Calm 0	E 2 E 2	SE 4	ENE 4 ENE 2	SE
11	Calm	1·5	SE 5	NE 1 Calm 0	SW 1 Calm 0	E 2 E 1	SE 3	ENE 3 ENE 4	ESE
12	ESE	2·6	SE 6	NE 1 SW 2	SW 1 Calm 0	E 2 E 2	Calm 0	E 4 E 2	E
13	ESE	4·2	ESE 5	Calm 0 SW 1	S 2 Calm 0	E 1 E 1	SE 2	E 5 E 4	Calm
14	SE	6·7	SE 9	Calm 0 SW 1	Calm 0 Calm 0	E 1 E 2	..	E 2 E 3	SE
15	SE	8·4	SE 9	Calm 0 SW 1	NW 3 Calm 0	EbyS 2 EbyS 2	..	E 3 E 3	ESE
16	SE	7·5	SE 6	Calm 0 SW 1	Calm 0 Calm 0	EbyN 2 EbyN 2	Calm 0	E 2 E 3	E
17	SE	6·0	SE 7	NE 1 S 1	Calm 0 Calm 0	ENE 2 ENE 2	Calm 0	ESE 2 ESE 3	ESE
18	SE	5·3	SE 8	E 1 WSW 1	NW 1 Calm 0	E 2 E 2	SE 2	E 5 E 4	NE
19	SE	5·5	SE 10	ENE 1 SW 1	Calm 0 SW 2	E 2 EbyN 2	SE 3	E 3 E 2	ENE
20	SE	5·8	SE 10	NW 1 WSW 1	N 1 Calm 0	EbyN 2 EbyN 2	SE 1	E 3 E 2	E
21	SE	6·3	ESE 10	Calm 0 SW 1	Calm 0 N 2	EbyN 2 EbyN 2	..	ESE 3 E 3	NE
22	SE	4·9	SE 9	Calm 0 Calm 0	N 2 S 1	E 2 E 2	..	E 3 E 3	NE
23	SE	2·8	SE 8	Calm 0 NE 1	N 1 SE 1	E 2 E 2	NW 6	E 3 E 4	NW
24	SE	4·0	SE 7	Calm 0 NNE 1	N 1 Calm 0	EbyS 2 EbyN 2	Calm 0	E 4 E 3	Calm
25	SE	5·6	SE 6	Calm 0 SW 2	Calm 0 Calm 0	EbyN 2 EbyN 2	NW 2	E 6 E 5	SSW
26	SE	7·3	SE 6	Calm 0 SW 1	NW 1 Calm 0	E 2 E 2	SE 1	E 3 E 4	ESE
27	SE	8·9	SE 7	Calm 0 Calm 0	N 1 N 1	E 2 E 2	SE 2	E 3 E 4	ESE
28	SE	6·6	SE 6	Calm 0 SW 1	Calm 0 Calm 0	EbyN 2 E 2	SE 4	E 6 E 5	SE
29	SE	4·4	SE 8	Calm 0 Calm 0	Calm 0 Calm 0	EbyN 2 EbyN 2	Calm 0	E 3 E 3	E
30	SE	4·0	SSE 8	Calm 0 Calm 0	NW 1 Calm 0	E 2 E 2	Calm 0	ENE 2 E 1	SE
Mean	..	6·2	7·3	0·4 0·9	1·0 0·5	1·8 1·8	2·3	3·4 3·1	
§Resultant	130°(94)	..	135°(96)	230°(13)	335°(25)	90°(100)	135°(49)	90°(97)	100°(96)
§Normal	142°(93)	8·3	‖116°(76)	285°(8)	255°(36)	‖‖72°(82)	131°(52)	‖108°(36)	101°(96)

‖Normal refers to ½ (9+21). ‖‖ Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1924.

‡‡*White Sea.*—About the middle of the month the sea was still free of ice.

‡‡*Spitsbergen.*—On the 4th the brash commenced to form in Sassen Bay, Icefjord and about the end of the month the ice was 8 cm. thick all over the bay and fjord. Wijde Bay froze over about the end of the month.

‡‡*Iceland* was free of ice as is usual in this month.

‡‡*Denmark Strait.*—At Angmagsalik there was still a little scattered ice early in the month. On the 10th the first ice of the new season arrived from the north and after this the "Storis" was lying packed as far as might be seen, leaving a land water however a few miles wide.

‡‡*N. Atlantic and Labrador.* No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 4. East of Belle Isle a few icebergs were observed.

‡‡*Davis Strait and Baffin Bay.*—The sea was free of ice from Cape Farewell northward along the west coast of Greenland, only south of Nunarsuit a few ice bergs were encountered. On the 25th the west ice appeared at Upernivik, but a few days later it drifted out to sea again.

‡‡*Isforholdene i de arktiske Have*, 1924 and 1925, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1924.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1924 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. DECEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	1023·7	..	254·4	272·4	20th	245·2	224·7	10th	249·8	..	+ 3·0	6	− 5
125	Upernivik	72 47	56 7	19·2	999·9	1002·5	− 3·8	256·4	270·6	1st	251·4	238·7	24th, 25th	253·9	*253·6*	− 2·4	9	− 4
132	Scoresbysund	70 29	21 58	16·9	996·0	998·2	..	262·6	271·4	28th	255·0	244·1	3rd	258·8	*259·3*	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	990·4	993·3	..	..	276·1	6th	268·1	261·1	16th	..	*270·4*	..	46	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	996·2	997·7	− 9·3	..	276·0	23rd	260·7	250·6	1st	..	263·8	+ 5·2	53	+ 14
140	Björnöen	74 28	19 17	40·5	991·2	996·3	..	..	276·3	24th	267·3	258·9	30th	..	*269·6*	..	49	..
141	Gjesvaer	71 6	25 22	**	‡997·3	‡998·1	− 5·7	..	278·8	9th	270·8	264·0	2nd	..	*272·9*	+ 3·1	74	+ 9
142	Mehavn	71 1	27 47	10·2	997·5	998·8	− 6·1	..	278·4	13th	269·0	261·9	2nd	..	*271·9*	+ 3·1	72	− 13
143	ϕVardö	70 22	31 8	6·8	999·4	1000·3	− 5·4	..	276·6	9th	268·9	261·8	6th	..	*271·8*	+ 3·2	59	− 4
147	Malye Karmakouly	72 23	52 43	15·3	1002·6	1004·6	− 5·2	266·1	273·9	31st	259·6	250·4	21st	262·8	*262·9*	+ 4·2	40	+ 30
148	Waigatz	70 24	58 47	11·2	1004·2	1005·7	..	265·8	278·0	29th	258·9	245·0	22nd	262·4	*263·0*	..	5	..
153	Dickson	73 30	80 23	13	1004·8	1006·6	..	254·7	272·3	31st	245·7	238·4	26th	250·2	..	..	6	..
		N.	E.															
Between Latitude 70° N. and 60° N. DECEMBER—ZONE 2.																		
203	Nome	64 30	165 24	6·7	..	1017·3	+ 9·2	265·9	274·7	25th	259·2	243·6	11th	262·6	*262·8*	+ 4·2	23	− 5
204	Candle	65 55	161 57	2·4	..	..	..	259·2	273·6	16th, 20th	249·2	230·2	12th	254·2	..	+ 1·0	3	..
205	Tanana	65 10	152 6	67·1	..	1022·7	+ 9·0	254·5	266·3	24th, 25th	246·7	229·1	12th	250·6	*250·6*	+ 1·7	20	+ 2
206	Rampart	65 30	150 15	114	..	..	..	252·2	269·7	25th	243·0	226·9	12th	247·6	..	− 0·5	14	− 3
207	Valdez	61 7	146 16	7·6	..	..	..	268·8	277·4	3rd	261·6	251·9	15th	265·2	..	− 0·6	66	− 77
208	Eagle	64 46	141 12	254	..	1026·4	+11·9	250·5	263·0	6th	243·2	218·6	12th	246·9	*246·8*	− 1·8	18	+ 6
209	Dawson	64 4	139 29	324	987·9	1033·7	+15·6	245·2	261·9	3rd, 4th	241·3	226·3	14th	243·3	..	− 4·9	14	− 14
210	Carcross	60 11	134 34	662	..	..	..	256·6	277·4	9th	249·2	232·4	15th	252·9	..	− 6·0	13	− 5
211	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
212	Fort Simpson	61 52	121 35	129	1007·8	1026·7	+ 9·8	251·5	273·0	22nd	243·6	229·7	13th	247·6	..	− 1·0	12	− 11
213	ϕHay River	60 51	115 20	161	*1002·0*	*1024·3*	+ 8·1	*254·1*	*271·9*	*9th, 21st*	*243·7*	*226·9*	*15th*	*248·9*	..	− 3·1	30	+ 9
225	Jacobshavn	69 13	51 2	31·6	994·4	998·6	− 5·2	258·5	266·4	16th	254·0	247·8	22nd, 23rd	256·3	*256·5*	− 3·5	8	− 5
226	Godthaab	64 11	51 43	20·4	992·2	994·8	− 4·8	263·9	271·0	1st, 16th	260·9	254·3	24th, 25th	262·4	*262·3*	− 2·8	2	− 38
227	Ivigtut	61 12	48 10	5·0	989·0	989·6	− 9·5	268·3	280·1	1st	263·2	254·6	25th	265·7	*266·4*	− 0·3	0	− 78
229	Angmagsalik	65 37	37 33	29·3	983·4	987·1	−12·3	269·3	276·3	26th	263·5	258·0	2nd	266·4	*266·9*	+ 1·2	27	− 45
231	Stykkisholm	65 5	22 46	25	..	981·0	−17·8	275·7	280·2	4th	271·7	267·6	1st, 15th	273·7	*273·6*	+ 1·9	97	+ 32
233	Vestmanno	63 24	20 17	132	..	979·6	−17·4	278·2	281·4	20th	274·1	270·3	16th	276·1	*276·8*	+ 2·2	177	+ 38
233a	Grimsey	66 33	18 1	22·0	..	983·5	−17·3	274·9	279·4	22nd	272·6	267·8	17th	273·7	*273·3*	+ 1·6	30	+ 11
234	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn	64 41	14 22	18·0	..	984·2	−15·7	277·6	280·9	4th, 21st	273·2	267·8	30th	275·4	*275·3*	+ 2·8	181	+ 44
236	Thorshavn	62 3	6 45	26·3	989·2	992·4	− 9·6	280·9	284·2	6th	276·2	272·0	17th	278·5	*278·7*	+ 2·2	163	− 9
237	Lerwick	60 9	W 1 11	18·0	..	999·9	− 4·3	281·8	284·7	12th, 18th	279·4	274·7	28th, 30th	280·6	*280·8*	+ 3·1	197	+ 75
238	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1001·2	1006·6	− 1·1	280·9	283·0	19th	278·0	274·3	4th	279·5	*279·5*	+ 4·1	359	+178
239	Aalesund	62 28	6 10	6·3	1002·2	1003·0	− 3·6	..	285·4	7th	277·5	270·9	4th	..	*279·8*	+ 3·8	130	+ 4
240	ϕTrondhjem	63 26	10 25	37·0	1000·4	1005·0	− 1·8	278·8	283·3	21st	273·2	262·5	4th	276·0	*275·9*	+ 5·3	76	+ 15
241	Bodö	67 17	14 24	22·3	998·2	1000·9	− 4·0	..	283·4	13th	272·4	262·8	4th	..	*275·1*	+ 3·6	145	+ 67
242	Haparanda	65 50	24 9	9·2	1006·3	1007·5	− 2·4	271·5	277·0	22nd	265·0	246·5	2nd	268·3	*268·7*	+ 5·3	69	+ 34
242a	Helsingfors	60 10	24 57	11·7	1014·9	1016·4	+ 4·2	276·3	281·0	19th	272·7	259·8	4th	274·5	*274·7*	+ 5·6	42	− 9
243	Kuopio	62 55	27 40	233	983·8	1013·3	+ 1·8	271·6	275·5	11th	..	254·6	3rd	..	*269·4*	+ 4·0	31	− 16
244	Kola	68 53	33 1	6·7	1003·2	1004·1	− 4·4	270·3	277·4	14th	264·1	242·6	1st	267·2	*268·0*	+ 5·5	23	+ 6
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1011·6	1012·4	+ 1·3	268·4	275·5	11th	262·8	245·1	24th	265·6	*265·9*	+ 4·2	34	+ 10
247	Mezen	65 50	44 16	14·9	1008·4	1010·3	− 0·2	267·1	275·2	14th	261·3	243·9	23rd	264·2	*264·4*	+ 3·9	20	+ 6
248	Oust-Tayima	65 25	52 18	†68	*1002·2*	*1011·2*	− 1·8	262·4	274·4	14th	255·5	238·3	4th	259·0	*259·6*	+ 1·4	20	− 2
	Tcherdyn	60 24	56 31	†177	989·4	1012·8	− 4·4	262·0	273·3	5th	255·0	235·3	24th	258·5	*258·1*	+ 1·7	31	− 8
249	Berezov	63 56	65 4	39·5	1003·6	1008·9	− 9·5	259·9	271·7	15th	..	..	..	..	*256·4*	+ 3·5	13	− 2
250	ϕObdorsk	66 31	66 36	35·2	1006·6	1011·3	− 4·0	..	273·4	15th	251·4	236·5	5th	..	*256·0*	+ 5·0	15	+ 3
251	New Port	67 42	72 57	4·9	1007·9	1008·6	..	..	269·6	31st	249·4	236·1	3rd	..	*254·8*	..	3	..
252	ϕSourgout	61 15	73 24	†40	1007·9	1013·3	− 6·0	..	273·8	6th	250·7	228·6	10th	..	*255·6*	+ 3·1	51	+ 30
253	Doudinka	69 23	86 4	20·0	1006·6	1009·4	− 8·8	..	262·9	13th, 14th	..	227·0	3rd	..	*248·3*	+ 2·7	4	− 4
254	Touroukhansk	65 47	87 57	45·0	1011·4	1017·6	− 2·4	..	271·5	14th, 15th	244·0	222·6	10th	..	*248·8*	+ 3·6	26	+ 13
261	Viliouisk	63 45	121 35	120	..	..	..	..	252·9	10th, 15th	240·2	229·7	30th	..	*244·0*	+ 8·2	14	+ 4
262	ϕIakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105.
** Height changed from 6·5 m. to 10·0 m. from December 23rd. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	276·8	280·8	14th	273·4	266·9	10th, 11th	275·1	..	..	115	
302	St. Paul Island	57 15	170 10	21·3	..	1009·1	+ 6·4	274·4	277·4	sev. dates	271·9	261·9	9th	273·1	..	+ 2·6	46	− 69
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·4	+ 4·7	277·9	280·8	15, 26, 27	272·4	265·2	8, 9, 10	275·2	*275·0*	+ 2·0	219	+ 49
304	Port Moller	55 56	160 30	5·5	..	..	..	275·1	282·4	25th	270·7	260·8	10th, 12th	272·9	..	..	44	− 12
305	Dillingham	59 0	158 28	24·4	..	..	..	268·9	276·9	23rd, 24th	263·7	246·9	11th	266·3	..	+ 3·1	13	− 15
306	Kodiak (Radio)	57 46	152 22	6·1	..	1011·2	+ 9·5	276·2	280·8	3rd	271·8	258·0	10th	274·0	*274·2*	+ 1·8	129	
										Sea Temp.								
307	55°—50° N. 150°—145° W.	††51 24	††148 15	§(18)	..	1002·0	− 2·4	..	..	278·6|+0·6	..	..	..	..	278·6	+ 1·1	..	
309	Sitka	57 3	135 19	27·4	..	1015·2	+ 7·4	277·0	283·0	4th	270·6	258·6	15th	273·8	*273·8*	− 1·1	82	− 26
310	Prince Rupert	54 18	130 18	51·8	1011·0	1017·5	+ 8·0	276·9	284·1	3rd	271·3	258·0	15th	274·1	*274·3*	− 1·0	118	+ 8
311	Barkerville	53 2	121 35	1274	868·0	1023·6	+ 7·8	264·1	279·1	1st	257·4	237·4	16th	260·8	*260·7*	− 5·4	91	+ 8
312	ϕKamloops	50 41	120 29	385	980·2	1030·2	+ 7·6	266·8	285·8	11th	260·7	243·6	17th	263·7	*263·8*	− 6·5	106	+ 8
313	Calgary	51 2	114 2	1045	896·1	1026·9	+ 9·8	264·7	284·7	11th	254·7	230·2	17th	259·7	*259·3*	− 6·3	57	+ 4
314	Fort Chipewyan	58 42	111 10	218	993·2	1023·2	+ 6·4	255·2	278·6	9th	244·1	231·3	17th, 20th	249·7	*249·6*	− 6·2	5	− 5
315	Prince Albert	53 10	105 38	442	967·3	1026·6	+ 8·1	259·7	279·7	11th	247·4	231·3	19th	253·6	*252·9*	− 4·8	13	+ 1
316	Qu'Appelle	50 30	103 47	645	941·2	1026·0	+ 7·4	259·7	279·1	1st	249·1	236·3	16th, 27th	254·4	*253·8*	− 5·7	35	− 1
317	Minnedosa	50 15	99 50	515	956·5	1025·2	+ 6·0	257·2	275·7	11th	247·2	236·1	20th	252·2	*252·2*	− 7·5	12	− 8
318	Berens River	52 18	97 23	216	..	..	..	249·9	267·4	2nd, 13th	241·3	232·4	26th	245·6	..	−11·1	..	
318a	Port Nelson	57 0	92 51	14·9	1012·0	1014·0	− 1·9	251·3	269·1	12th	246·3	236·9	15th	248·8	..	− 1·2	7	− 8
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	
320	Moose Factory	51 14	80 30	9·1	1015·9	1017·2	+ 1·6	257·4	270·2	2nd, 3rd	247·4	235·8	20th	252·4	..	− 5·6	20	− 8
321	Fort George	53 50	79 5	97·5	..	..	..	256·9	270·2	1st	250·1	234·1	18th	253·5	..	..	18	− 8
322	Mistassini Post	50 15	73 55	383	..	..	..	259·4	269·1	9th	249·0	235·2	26th	254·2	..	− 2·5	56	− 2
324	Natashquan	50 8	61 48	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	..	..	..	..	..	..	..	..	
										Sea Temp.								
331	55°—50° N. 30°—25° W.	††51 39	††27 8	§(18–19)	..	997·1	..	..	..	282·6|−0·3	..	..	..	..	278·9	..	..	
333	53°—48° N. 20°—15° W.	††49 56	††17 34	§(64)	..	1007·9	..	..	..	284·7|+0·2	..	..	..	..	284·2	..	..	
333a	62°—57° N. 20°—15° W.	††58 50	††17 32	§(13)	..	..	..	..	..	281·6|−0·3	..	..	..	..	280·0	..	..	
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1006·7	− 4·0	283·6	285·8	4th	280·1	275·2	31st	281·8	282·0	+ 1·4	252	+ 71
335	Aberdeen	57 10	W 2 6	26·8	..	1004·3	− 2·8	281·9	285·2	18th	277·7	272·4	15th	279·8	280·0	+ 3·1	80	+ 5
336	Greenwich	51 28	0 0	46·3	..	1015·3	+ 1·3	281·6	286·3	1st	276·9	271·3	10th, 11th	279·3	279·4	+ 1·7	71	+ 8
337	Uccle	50 48	E 4 22	100	1006·6	1019·0	+ 2·3	280·5	285·0	26th	274·8	267·2	13th	277·6	277·1	+ 1·6	61	− 2
338	De Bilt	52 6	5 11	3·0	1017·7	1018·1	+ 3·5	279·0	285·2	1st	274·6	268·0	12th, 13th	276·8	276·8	+ 1·3	59	− 3
338a	Hamburg	53 33	9 58	40·3	1014·7	1019·8	+ 6·0	278·8	283·9	2nd	274·4	266·9	14th	276·6	*276·4*	+ 2·0	23	− 30
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1018·0	1018·6	+ 5·3	278·3	281·8	21st	275·3	271·1	15th	276·8	*276·9*	+ 3·0	30	− 7
340	Potsdam	52 23	13 4	84·9	1011·6	1022·3	+ 6·9	277·2	281·6	1st, 2nd	272·2	265·0	13th	274·7	274·4	+ 0·7	20	− 17
340a	Uppsala	59 51	17 38	24	1011·6	1014·6	+ 3·4	276·9	282·5	19th	273·2	256·1	5th	275·0	275·1	+ 5·7	42	+ 5
341	Warsaw	52 13	21 3	89·9	1014·0	1025·6	+ 8·0	273·9	281·2	3rd	268·5	259·7	12th	271·2	*271·2*	..	17	− 13
342	Tartu (Ülikooli)	58 23	26 43	74·5	1010·6	1020·1	+ 7·1	273·5	279·2	19th	269·6	257·6	7th	271·6	271·7	+ 3·6	44	+ 5
343	Leningrad	59 56	30 16	4·8	1017·6	1018·2	+ 5·3	273·2	278·6	19th, 20th	268·3	260·8	7th, 24th	270·8	*270·9*	+ 3·7	27	− 3
344	Kiiv	50 27	30 30	183	1006·1	1029·8	+11·1	270·9	283·2	4th	265·3	258·0	26th	268·1	*268·0*	− 1·5	5	− 19
344a	Moscow	55 50	37 33	167	1003·1	1024·9	+ 7·3	268·3	277·9	4th	262·8	239·8	26th	265·6	*265·5*	+ 0·5	17	− 8
345	Saratov	51 33	45 57	122	1009·2	1025·2	+ 3·7	268·0	278·0	5th	262·4	245·1	25th	265·2	*265·2*	+ 2·0	2	− 23
346	Kazan	55 47	49 8	79·9	1011·6	1022·1	+ 1·0	266·9	276·0	4th, 5th	261·1	242·4	24th	264·0	*263·8*	+ 1·1	11	− 14
347	Orenburg	51 45	55 6	109	1009·4	1023·7	− 2·5	266·9	274·5	5th	261·0	241·7	25th	264·0	*264·4*	+ 2·8	14	− 11
348	Perm	58 1	56 16	163	997·5	1019·0	− 2·2	263·7	274·3	5th	257·1	235·5	24th	260·4	*260·5*	+ 0·5	81	+ 5
349	Sverdlovsk	56 50	60 38	281	981·6	1018·1	− 3·2	264·9	276·4	6th	258·9	244·4	23rd	261·9	*261·9*	+ 1·6	16	− 1
350	ϕTobolsk	58 12	68 14	108	1003·0	1017·3	− 4·7	263·7	275·1	6th	255·9	244·3	23rd	259·8	*259·4*	+ 2·4	25	+ 1
351	Akmolinsk	51 12	71 23	347	..	..	..	263·7	272·5	23rd, 24th	256·3	241·2	27th	260·0	*260·0*	+ 1·0	8	− 15
352	Omsk	55 1	73 19	108	1008·0	1022·4	− 2·1	264·1	274·6	6th	255·4	239·8	29th	259·8	*259·6*	+ 3·0	10	− 13
353	Barnaoul	53 20	83 48	162	1008·2	1029·7	+ 0·5	263·9	272·5	24th	258·2	236·7	27th	261·0	*261·3*	+ 3·0	28	+ 5
354	Tomsk	56 30	84 58	122	1007·4	1023·6	− 2·6	264·1	272·0	23rd	257·7	241·3	26th	260·9	*260·6*	+ 4·5	30	+ 7
355	Minousinsk	53 43	91 41	248	997·0	1029·8	− 2·1	..	274·0	7th	257·2	239·4	30th	..	*261·9*	+ 6·1	3	− 19
356	Eniseisk	58 27	92 10	77·6	1012·3	1022·7	− 3·8	..	271·2	23rd	255·2	230·6	6th	..	*258·8*	+ 5·8	22	+ 1
357	Irkutsk	52 16	104 19	467	969·1	1031·6	0·0	260·4	270·0	1st	250·4	235·6	8th	255·4	255·5	+ 1·2	15	− 6
358	ϕKirensk	57 47	108 7	278	990·2	1027·6	− 2·1	..	266·9	21st	252·4	232·9	9th	..	*254·7*	+ 7·6	20	+ 1
359	ϕTchita	52 2	113 30	674	940·7	1030·3	− 0·5	..	..	..	245·4	236·9	12th	..	*251·2*	+ 2·5	0	− 15
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1002·4	1021·8	− 1·3	256·6	263·5	10th	246·4	238·7	21st	251·5	*251·4*	+ 0·2	7	− 17
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1003·1	‡1004·8	+ 1·9	..	..	..	264·0	258·3	30th	..	*265·7*	+ 0·4	65	+ 5
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks " pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1011·8	1020·6	+ 3·9	278·4	287·4	10th	273·9	261·9	16th	276·1	275·9	− 2·0	160	+ 14
412	Portland, Oregon	45 32	122 41	46·6	1017·2	1023·0	+ 3·7	278·2	288·6	11th	272·9	261·3	18th	275·6	*275·1*	− 2·4	113	− 63
413	Macleod	49 44	113 24	953	..	..	..	265·5	285·8	12th	254·7	228·0	17th	260·1	*260·1*	− 8·6	38	+ 24
414	Helena	46 34	112 4	1253	875·8	1025·4	+ 2·5	267·8	290·2	14th	257·6	238·6	18th	262·7	*263·0*	− 6·2	15	− 5
414a	Salt Lake City	40 46	111 54	1329	870·6	1023·7	+ 0·5	272·7	283·0	16th	264·7	250·8	26th	268·7	*269·1*	− 4·1	85	+ 50
415	Cheyenne	41 8	104 48	1856	810·2	1020·3	− 0·5	272·3	288·6	15th	261·8	246·3	19th	267·1	*267·5*	− 3·7	20	+ 8
416	North Platte	41 8	100 45	860	920·4	1025·4	+ 2·7	269·4	288·6	2nd	258·0	243·0	19th	263·7	*263·6*	− 6·4	46	+ 32
416a	Bismarck	46 47	100 38	510	961·2	1026·1	+ 5·0	263·9	286·3	12th	252·6	239·1	27th	258·3	*258·6*	− 5·8	6	− 9
417	Winnipeg	49 53	97 7	232	993·0	1024·4	+ 5·7	257·4	275·2	12th	249·7	239·1	27th	253·6	*253·7*	− 4·8	18	− 6
418	Duluth	46 47	92 6	345	977·3	1021·7	+ 4·1	262·0	274·1	12th	252·5	239·7	27th	257·3	*257·0*	− 7·2	20	− 10
419	Port Arthur	48 27	89 12	196	994·3	1020·4	+ 3·1	261·3	274·1	5th, 12th	253·6	241·3	27th	257·4	*257·3*	− 5·5	23	+ 2
420	Chicago	41 53	87 37	251	990·6	1022·0	+ 3·0	272·1	286·3	8th	264·3	248·0	28th	268·2	*268·6*	− 3·9	48	− 5
421	Toronto	43 40	79 24	116	1005·1	1020·0	+ 2·4	271·9	284·1	8th	264·7	254·1	21st	268·3	268·4	− 2·0	59	− 4
422	ϕNew York (Central Park)	40 47	73 58	47·4	1015·2	1021·2	+ 2·8	277·8	289·1	8th	270·4	261·3	26th	274·1	273·9	− 0·4	63	− 25
423	St. John, N.B.	45 17	66 4	36·2	1009·8	1014·5	+ 0·3	269·8	282·8	9th	262·4	250·2	21st	266·1	266·9	− 2·7	90	− 16
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·8	1010·0	− 0·9	267·8	274·9	14th	261·6	251·9	29th	264·7	*264·9*	− 1·7	81	+ 23
424a	Sable Island (Main Station)	43 57	60 6	7·6	1013·6	1014·6	+ 1·1	274·7	283·0	9th	269·7	261·3	21st	272·2	*272·4*	− 2·6	108	− 30
425	Port aux Basques	47 35	59 10	9·1	1007·7	1008·9	− 1·0	270·4	276·6	14th	265·7	258·8	31st	268·1	*268·3*	− 2·7	159	+ 24
426	St. John's, Newfoundland	47 34	52 42	48·8	999·5	1005·7	− 2·9	271·9	280·2	25th	265·8	258·0	20th	268·8	*268·9*	− 2·5	72	− 65
													Sea Temp.					
430	50°—45° N. 35°—30° W.	††48 40	††31 46	§(74–75)	..	1012·2	..	..	..	284·7|−1·5	..	..	..	283·8	..	..	..	
435	Madrid	40 24	3 41	667	944·8	1024·9	+ 3·7	282·4	287·6	6th	274·8	270·4	13th	278·6	*278·0*	+ 0·1	24	− 25
436	Nantes	47 15	W 1 34	36·5	1014·3	1019·1	+ 2·2	281·5	287·3	5th	275·9	270·6	22nd	278·7	278·5	+ 0·2	93	− 2
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1014·6	1021·2	+ 4·3	279·1	287·2	5th	274·5	269·4	23rd	276·8	276·8	+ 0·4	40	− 2
438	Marseille	43 18	5 23	75	..	1020·0	+ 4·3	286·5	290·0	1st	277·5	272·2	30th	282·0	*281·2*	+ 0·6	63	+ 10
438a	Zürich	47 23	8 33	493	964·1	1025·0	+ 5·3	275·6	283·3	6th	271·7	265·8	26th	273·6	273·4	+ 0·4	23	− 53
440	Rome	41 54	12 27	45·5	1014·7	1020·0	+ 4·1	285·3	289·6	5th	278·3	271·0	26th	281·8	*281·7*	+ 0·5	66	− 32
440a	Vienna	48 15	16 22	203	1000·9	1026·5	+ 7·7	274·5	282·8	6th	271·3	266·7	13th	272·9	272·9	− 0·3	13	− 34
441	Budapest	47 31	19 1	130	1010·5	1027·1	+ 8·4	275·1	282·7	5th, 6th	270·9	263·9	14th	273·0	272·8	− 0·2	9	− 13
442	Sofia	42 42	23 20	550	960·1	1028·3	+ 8·0	274·8	284·0	5th	269·8	264·7	12th	272·3	272·0	− 1·1	7	− 26
442a	Bucharest	44 25	26 6	82	1017·9	1028·5	+ 7·5	273·1	281·5	4th	267·9	263·2	24th	270·5	270·3	− 2·1	4	− 36
443	Odessa (Observatory)	46 26	30 46	42·8	1022·7	1028·2	+ 8·1	274·3	284·2	4th	269·8	263·1	26th	272·1	*271·7*	− 1·3	2	− 28
444	ϕKharkiv (University)	50 0	36 14	140	1012·3	1030·6	+ 9·2	268·6	281·8	5th	262·1	249·3	26th	265·3	*265·5*	− 2·4	11	− 26
444a	Novorossiisk	44 44	37 49	37·1	1020·0	1024·7	+ 5·4	276·5	287·0	5th	268·8	250·2	26th	272·6	*272·7*	− 5·4	16	− 70
445	Tiflis	41 43	44 48	404	975·5	1025·8	+ 2·5	277·1	285·4	7th	270·2	256·8	28th	273·7	273·4	− 2·4	9	− 13
446	Astrakhan	46 21	48 2	−20	1029·6	1027·1	+ 3·3	270·3	280·5	4th	263·2	243·9	26th	266·8	*266·7*	− 3·3	17	+ 3
447	Fort Alexandrovsk	44 31	50 7	−23·0	1028·8	1025·9	+ 3·8	274·4	283·9	5th	268·2	257·4	27th	271·3	*271·0*	− 1·7	15	+ 2
448	ϕKrasnovodsk	40 0	52 59	− 4·6	1024·8	1024·2	+ 2·0	278·0	284·2	4th	272·9	265·1	28th	275·4	*275·0*	− 4·2	19	+ 5
449	Kasalinsk	45 46	62 7	66·7	1018·7	1027·4	+ 3·0	..	..	..	265·7	258·1	29th	..	*268·2*	+ 2·0	10	− 3
450	Tashkent	41 20	69 18	478	967·6	1026·8	+ 0·8	277·2	283·4	27th	270·0	260·1	18th	273·6	*273·4*	− 2·1	91	+ 54
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	23	+ 12
452	Alma Ata	43 16	76 53	841	925·5	1028·3	− 0·5	274·1	283·6	8th	267·0	258·6	20th	270·6	*270·0*	+ 2·0	21	− 11
461	ϕMoukden	41 48	123 23	43·8	1021·1	1026·9	+ 0·1	269·6	279·8	2nd	258·5	253·4	16th	264·1	263·6	+ 0·8	11	+ 3
462	ϕJoshin	40 40	129 11	31·9	1017·8	1021·9	+ 1·1	274·9	283·5	3rd	266·2	260·6	12th	270·5	270·5	+ 1·0	14	− 17
463	ϕYuki	42 20	130 24	65·6	1013·6	1022·1	+ 0·9	271·5	277·8	3rd	263·6	260·0	27th	267·5	267·7	+ 1·1	1	− 10
464	Vladivostok	43 7	131 54	128	1005·2	1022·1	+ 0·6	266·8	275·5	3rd	259·5	253·7	26th	263·2	*263·0*	− 0·2	21	+ 8
465	ϕOchiai	47 20	142 47	27·4	1008·8	1012·4	+ 1·0	269·1	278·9	1st	259·3	247·9	26th	264·2	264·4	+ 0·6	66	+ 6
466	Nemuro	43 20	145 35	26·7	1009·1	1012·5	+ 1·4	274·8	285·3	1st	267·6	261·9	27th	271·2	271·4	− 0·1	17	− 41
466a	Syana	45 14	147 53	39·3	1005·5	1010·5	+ 1·9	273·0	284·6	1st	267·3	261·8	26th	270·1	270·6	− 0·2	141	+ 31
		N.	E.															

Between Latitude 40° N. and 30° N. — DECEMBER—ZONE 5 (Western Half).

508		N.	W.															
511	35°—30° N. 145°—140° W.	††32 11	††142 44	§(27)	..	1020·0	− 3·0	..	..	Sea Temp. 291·9|+0·6	..	..	..	..	291·3	+ 2·8	..	..
512	San Francisco	37 48	122 26	47·2	1015·4	1021·3	+ 1·0	284·4	289·7	8th	279·2	275·2	18th	281·8	*281·5*	− 1·5	187	+ 71
	San Luis Obispo	35 18	120 39	61·3	1013·4	1021·0	+ 0·9	290·2	299·7	13th	278·3	271·9	26th	284·2	*283·2*	− 0·3	52	− 45
513	San Diego	32 43	117 10	26·5	1015·9	1018·9	+ 1·2	289·6	296·3	12th	280·9	275·2	25th	285·2	*285·1*	− 0·9	34	− 12
514	Modena	37 48	113 54	1670	834·9	1023·3	+ 0·2	273·8	287·4	1st	259·1	243·0	25th	266·4	*266·2*	− 3·8	29	+ 13
515	Santa Fé	35 41	105 57	2138	785·6	1020·6	− 0·9	275·2	284·1	2nd	263·6	252·4	25th	269·4	*269·6*	− 2·5	39	+ 20
516	Denver	39 45	105 0	1613	836·3	1020·6	+ 0·1	275·4	293·6	14th	263·4	246·9	24th	269·4	*269·8*	− 3·4	36	+ 18
517	Abilene	32 23	99 40	530	958·9	1022·0	+ 1·5	285·3	299·1	15th	272·4	258·0	19th	278·9	*278·1*	− 1·6	37	+ 7
518	Saint Louis	38 38	90 12	173	1001·7	1023·0	+ 2·9	276·5	293·6	16th	267·3	250·8	28th	271·9	*271·8*	− 3·1	118	+ 54
519	Mobile	30 41	88 2	17·4	1020·3	1022·3	+ 1·7	289·4	298·0	8th	280·7	270·8	26th	285·0	*284·9*	+ 0·8	187	+ 63
520	Nashville	36 10	86 47	166	1004·1	1024·7	+ 3·2	282·5	296·9	17th	271·9	258·6	28th	277·2	*277·2*	− 0·9	136	+ 36
521	Charleston	32 47	79 56	14·6	1021·8	1023·3	+ 2·8	288·8	298·6	17th	280·3	270·8	2nd	284·6	*284·7*	+ 1·0	74	+ 1
522	Washington	38 54	77 3	34·1	1018·6	1023·0	+ 2·7	279·6	296·3	19th	271·3	263·0	26th	275·4	*275·4*	0·0	76	− 6
524	Bermuda	32 17	64 46	46·0	1018·3	1023·8	+ 5·1	295·2	297·7	7th	288·9	283·2	2nd, 3rd	292·0	*291·7*	+ 0·4	40	− 82
530	Santa Cruz (Flores)	39 27	31 9	40	1015·8	1020·7	+ 1·1	291·2	293·9	15th	286·6	280·9	21st	288·9	*289·2*	+ 0·5	138	− 52
531	Horta	38 32	28 38	65	1014·5	1022·3	+ 2·0	291·0	293·2	18th	286·8	282·5	28th	288·9	288·6	0·0	55	− 68
532	Ponta Delgada	37 44	25 40	22	1021·1	1023·6	+ 2·1	290·5	292·1	4th	287·3	283·2	28th	288·9	289·1	+ 0·6	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	148	+ 23
533	Madeira (Funchal)	32 38	16 55	25	‡1021·9	‡1024·9	+ 3·3	292·7	296·2	2nd	287·6	284·1	30th	290·1	*290·1*	+ 0·9	16	− 66
535	Lisbon	38 43	9 9	95	1011·8	1023·4	+ 3·5	287·5	290·8	5th	282·8	276·1	30th	285·1	285·1	+ 1·2	95	− 9
535a	Melilla	35 17	2 59	40	1018·9	1023·7	+ 3·6	290·2	294·7	2nd	283·8	280·3	24th	287·0	*287·0*	− 0·7	69	− 27
536	Gibraltar	36 6	5 21	16·2	..	1023·2	+ 3·1	289·6	292·4	4th, 5th	283·8	279·1	28th	286·7	*286·6*	+ 0·4	63	− 79
536a	Colomb-Béchar	31 36	2 4	769	933·4	1023·7	..	289·0	295·3	4th	276·3	271·8	25th	282·7	*281·5*	..	0	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks " page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
537	Palma	39 34	2 39	23	1017·8	1020·6	+ 2·4	287·4	291·0	6th	280·0	276·4	24th	283·7	..	— 0·9	91	+ 35
538	Algiers (Bouzaréah)	36 47	3 2	344	980·4	1021·6	+ 2·8	285·7	290·6	1st	281·7	279·5	13, 17, 31	283·7	*283·8*	— 0·2	63	— 28
538a	Gadames	30 9	9 30	351	..	..	..	291·3	300·5	28th	..	..	..	..	..	..	13	..
539	Tunis	36 48	10 10	21	1015·9	1018·4	..	288·5	293·5	1st	280·8	277·7	29th	284·7	*284·3*	0·0	63	+ 25
539a	Malta	35 54	14 31	56·4	..	1018·8	+ 2·5	289·6	292·7	1, 3, 4	285·5	282·7	15th	287·6	*287·1*	+ 0·2	176	+ 120
540	Riposto	37 41	15 14	14·2	..	1020·7	+ 3·0	288·8	291·6	3rd	282·8	279·6	29th	285·8	*285·6*	+ 0·2	315	+ 261
541	Athens	37 58	23 43	107	1008·6	1021·7	+ 4·6	285·7	292·4	5th	280·5	275·4	27th	283·1	282·9	— 0·6	31	+ 11
542	Alexandria	31 12	29 53	32·0	1013·1	1017·0	— 0·9	293·7	298·2	5th	285·9	282·8	28th	289·8	*289·4*	+ 0·3	78	+ 33
543	Nicosia (P.W.D.)	35 9	33 22	159	998·3	1017·4	— 0·4	288·2	293·0	5th, 9th	279·1	271·9	28th	283·7	..	— 0·9	89	+ 39
544	Beirut	33 54	35 28	33·7	..	1016·6	— 1·1	290·5	294·2	11th	285·0	278·1	28th	287·8	*287·6*	— 0·7	152	..
545	Hinaidi	33 17	44 29	32·3	..	1018·3	— 1·8	288·4	294·7	4th	276·9	268·6	28th, 29th	282·7	*282·9*	..	46	+ 10
546	Lenkoran	38 46	48 52	—20·0	1027·5	1025·1	+ 2·7	..	283·7	2nd	273·7	259·4	30th	..	*275·5*	— 3·9	243	+ 197
547	Tehran	35 41	51 25	1220	..	..	..	281·2	288·8	1st	272·9	262·5	30th	277·1	*276·6*	— 1·7	34	+ 1
548	Meshed	36 16	59 35	946	882·9	..	..	281·7	287·2	8th	270·2	266·1	7th, 8th	275·9	..	— 0·8	20	— 13
549	Seistan	31 0	61 30	610	..	..	..	288·1	295·3	25th	275·4	269·8	8th	281·7	..	..	80	+ 47
550	Quetta	30 11	67 3	1677	836·2	..	— 0·5	286·1	294·8	4th	270·9	265·2	11th	278·5	*278·0*	— 0·2	52	+ 19
551	Peshawar	34 2	71 37	339	981·0	1022·1	+ 0·5	290·7	295·0	4th	278·6	275·5	6th	284·7	*283·5*	0·0	15	— 17
551a	Lahore	31 34	74 20	214	994·0	1020·0	+ 0·6	293·0	297·8	1st	280·8	278·1	21st	286·9	*285·9*	+ 0·3	59	+ 17
552	Simla	31 7	77 8	2204	784·1	..	+ 1·3	283·9	288·2	27th	278·8	273·2	11th	281·3	*280·8*	+ 0·6	39	— 1
552a	Leh	34 10	77 42	3503	667·3	..	+ 0·6	276·3	282·3	3rd	264·6	258·1	21st	270·4	*269·3*	+ 1·6	2	— 36
559	Hankow	30 35	114 17	37·0	1022·9	1027·5	— 0·7	284·5	290·2	3rd	275·6	269·8	10th	280·1	*279·9*	+ 0·7	7	+ 1
560	Tientsin	39 10	117 10	5·0	1027·7	1028·3	+ 0·2	275·3	280·3	8th	267·6	263·0	9th	271·5	*271·3*	+ 0·5	4	— 2
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1026·3	+ 0·4	285·4	292·4	4th	273·7	265·7	10th	279·5	278·6	0·0	7	— 2
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1016·4	1025·1	+ 0·4	276·3	284·1	3rd	268·6	261·9	11th	272·5	272·1	0·0	12	— 5
562a	Nagasaki	32 44	129 52	133	1005·9	1022·2	+ 0·2	283·9	289·0	29th	276·6	273·3	13th	280·3	280·3	— 0·4	52	+ 35
563	Kyoto	35 1	135 44	42·9	1015·0	1020·4	+ 0·9	283·9	289·7	4th	272·7	268·7	22nd	278·3	277·3	— 0·1	19	— 2
564	Tokyo	35 41	139 46	5·8	1017·0	1017·7	+ 1·3	283·3	289·5	4th	273·8	269·9	22nd	278·6	*278·2*	0·0	30	— 1
565	Kanayama	37 53	140 46	24·6	1014·2	1017·2	+ 1·3	280·9	288·1	3rd	271·2	266·5	9th, 21st	276·1	275·9	— 0·1	31	+ 7
566	Miyako	39 38	141 59	30·4	1012·1	1015·9	+ 1·3	281·4	288·3	3rd	269·8	265·1	21st	275·6	274·4	— 0·8	68	+ 41

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1012·5	— 3·9	294·2	296·9	2nd	288·8	285·8	12th	291·5	*291·1*	..	160	..
605	Honolulu	21 19	157 52	11·6	1013·6	1014·9	— 1·4	298·8	301·3	..	293·2	289·1	..	296·0	*295·9*	+ 0·6	100	— 19
614	La Paz	24 10	110 20	12	1013·7	1015·1	..	295·3	299·9	2nd	287·6	281·7	29th	291·4	*290·9*	..	26	+ 1
615	Chihuahua	28 38	106 4	1423	860·5	1019·4	..	290·2	299·0	3rd	273·9	267·0	10th	282·0	*281·9*	— 1·3	31	+ 6
616	Leon	21 7	101 41	1809	824·4	1016·9	+ 1·9	296·5	299·0	29th	279·6	275·4	31st	288·0	*287·8*	+ 0·8	11	— 9
616a	Monterry	25 40	100 18	528	958·0	1019·8	+ 1·7	290·6	305·0	7th	280·9	270·0	21st	285·7	*285·8*	— 2·0	33	+ 7
617	Tulancingo	20 5	98 22	2181	791·1	1015·3	..	292·4	296·0	8th	278·9	275·0	26th	285·6	*284·7*	— 0·3	11	— 15
618	Galveston	29 18	94 50	16·5	1019·8	1022·0	+ 1·7	288·8	295·8	16th	282·3	270·8	20th	285·6	*285·4*	— 1·0	135	+ 89
618a	New Orleans	29 57	90 4	16·2	..	1022·0	+ 1·7	290·4	300·2	16th	281·9	272·4	21st	286·2	*286·3*	+ 0·5	171	+ 125
619	Merida, Yuc	20 58	89 38	22	1014·8	1017·4	— 0·2	301·5	303·8	7th	292·9	289·0	15th	297·2	*296·4*	+ 0·9	31	— 1
620	Havana	23 8	82 21	24·3	..	1019·9	+ 1·8	300·8	304·0	30th	293·3	288·2	15th	297·0	*296·5*	+ 1·3	7	— 24
620a	Key West	24 33	81 48	6·7	1019·6	1020·3	+ 1·7	298·7	300·8	13th	293·7	287·4	1st	296·2	*295·3*	+ 2·0	14	— 17
621	Nassau, Bahamas	25 5	77 21	7·3	..	1022·0	+ 3·4	299·9	..	..	294·5	..	..	297·2	*297·1*	+ 1·6	11	— 20
622	Watling Island	24 6	74 26	33·5	..	1020·7	+ 3·4	..	300	11, 14, 25	..	294	2nd	..	*297·2*	..	..	..
633	Port Etienne	20 56	17 3	4	1016·7	1017·2	..	299·3	303·0	7th	287·7	284·3	30th	293·5	*292·3*	..	0	— 1
634m	Izaña	28 19	16 30	2367	770·5	..	..	280·7	287·8	5th	274·5	270·5	27th	277·6	*277·4*	+ 0·5	32	+ 15
634	La Laguna	28 28	16 20	547	957·7	1021·8	+ 2·8	289·9	295·0	6th	283·3	277·4	24th	286·6	*286·1*	+ 0·1	106	+ 71
636	Adrar	27 36	W 0 4	168	..	..	..	295·3	303·6	6th	275·4	271·9	25th	285·4	*285·9*	..	0	— 1
638	Laperrine	22 36	E 5 26	1380	..	..	..	292·2	299·2	1st	277·7	274·1	10th	285·0	..	..	43	+ 31
641	Siwa	29 12	25 29	—23	1018·7	1015·9	..	293·8	298·0	16th	277·9	274·0	12th, 13th	285·8	..	..	0	— 12
643	Cairo (Helwan)	29 52	31 20	116	1003·5	1017·3	— 1·5	292·8	298·4	5th	282·7	278·3	29th	287·7	*287·7*	+ 0·3	6	— 3
643a	Aswan	24 2	32 53	99·6	1004·0	1015·9	— 1·1	298·0	306·0	7th	282·9	277·8	29th	290·4	*290·2*	+ 0·5	..	..
644	Tor	28 14	33 37	1·9	1014·8	1015·1	— 1·9	294·7	300·0	8th	283·2	278·5	29th	289·0	*288·4*	0·0	16	— 3
647	Bushire	28 59	50 53	4·3	1017·0	1017·6	— 1·7	292·3	298·4	14th	285·0	276·2	30th	288·7	*288·3*	— 0·7	337	+ 294
648	Jask	25 44	57 47	4·0	1018·1	1018·6	0·0	298·6	301·3	8th	290·7	283·6	31st	294·7	*294·3*	+ 0·5	106	+ 63
649	Karachi	24 53	66 57	4·0	1018·7	1019·1	+ 0·7	299·2	301·4	30th	289·1	285·9	11th	294·2	*293·8*	+ 0·8	4	— 3
650	Jacobabad	28 17	68 29	56·7	1013·5	1020·4	+ 1·1	296·3	299·8	5th	280·8	277·2	11th	288·6	*287·8*	— 0·2	4	— 3
651	Jaipur	26 56	75 52	436	969·3	1020·6	+ 0·9	296·8	300·9	30th	282·5	278·4	21st	289·7	*288·3*	— 1·1	57	+ 50
652	Nagpur	21 8	79 5	310	982·8	1018·8	+ 1·0	300·4	302·2	31st	286·1	283·3	7th	293·3	*292·9*	+ 0·2	0	— 7
653	Allahabad	25 25	81 51	94·2	1008·0	1019·3	+ 0·7	296·9	299·4	1st	282·6	278·7	18th	289·8	*288·7*	+ 0·3	4	— 3
653a	Darjeeling	27 3	88 18	2265	778·8	..	+ 1·2	283·1	285·4	13th	277·1	275·1	20th	280·1	*279·6*	+ 1·0	0	— 1
654	Calcutta	22 36	88 23	6·4	1017·3	1018·0	+ 0·9	297·7	299·6	12th	287·3	283·9	23rd	292·5	*292·0*	+ 0·5	0	— 1
655	Gauhati	26 8	91 41	59·7	1011·8	1019·0	+ 0·6	296·9	298·3	5th 11th	285·5	282·9	27th	291·2	*290·6*	+ 0·6	0	— 1
655m	Cherrapunji	25 15	91 42	1313	872·3	..	+ 1·2	289·6	292·2	13th	281·7	279·4	23rd	285·7	*285·0*	+ 0·1	0	— 1
655a	Akyab	20 11	92 56	6·1	1015·3	1016·0	+ 0·6	298·9	301·3	3rd	290·6	288·9	23rd, 29th	294·7	*294·0*	— 0·5	0	— 1
656	Mandalay	21 59	96 0	76·2	1009·1	1018·2	+ 1·3	299·2	301·8	8th	287·8	284·7	30th	293·5	*292·8*	— 1·3	0	— 1
656a	Tengyueh	25 2	98 33	1626	..	..	..	290·1	292·4	1st, 5th	274·8	271·9	20th, 25th	282·5	*281·6*	0·0	2	— 1
657	Phu Lien	20 48	106 38	116	1005·7	1019·5	+ 0·5	297·2	300·6	5th	287·9	284·5	7th	292·5	291·4	+ 0·5	8	— 1
658	Moncay	21 31	107 51	9·0	1018·8	1019·9	+ 0·4	295·7	300·5	4th	284·8	281·1	11th	290·3	*291·3*	+ 0·1	6	— 3
659	Hongkong	22 18	114 10	33·2	..	1019·2	— 0·5	292·7	295·9	2, 3, 30	287·1	284·3	11th	289·8	289·6	— 0·5	18	— 7
661	Taihoku, Formosa	25 2	121 31	9·3	1019·8	1020·9	+ 0·2	292·3	297·3	28th	285·4	277·4	11th	288·9	288·6	— 1·0	83	+ 41
661a	Basco	20 28	121 59	18·7	..	1013·9	— 0·3	296·8	301·5	5th	292·6	290·6	11, 26, 29	294·7	*294·6*	— 1·3	124	+ 82
662	Naha	26 13	127 41	8·2	1019·0	1020·3	+ 0·3	292·6	295·9	30th	287·0	280·8	28th	289·8	289·7	— 0·8	171	+ 129
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·7	1017·2	0·0	294·3	298·4	7th	288·8	284·4	16th	291·5	291·6	— 0·7	171	+ 129
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
715	Colima	19 12	103 45	498	958·0	1014·0	..	303·9	307·0	19th	289·3	286·2	5th	296·6	*295·4*	+ 1·0	184	..
716	Morelia	19 42	101 7	1923	811·1	1014·5	..	293·1	296·0	8th	281·1	277·9	31st	287·1	*286·6*	+ 0·3	7	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	..	+ 0·1	294·0	296·5	7th, 8th	277·2	274·1	31st	285·6	285·0	— 0·2	1	— 8
718	Salina Cruz	16 12	95 12	56	1006·5	1012·9	— 0·9	302·1	304·6	5th	294·4	290·8	27th	298·2	*298·4*	+ 0·2	0	— 1
719	San Salvador	13 42	89 12	682	938·4	1014·4	+ 1·5	304·3	306·0	5th, 25th	288·6	285·4	14th	296·5	*295·0*	— 0·4	17	+ 4
721	Belize	17 29	88 12	5·2	1015·5	1016·1	0·0	300·8	302·4	3rd	294·4	291·3	2nd	297·6	*297·2*	+ 0·8	261	+ 85
722	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1015·6	+ 1·9	303·6	305·4	7th	294·2	290·9	31st	298·9	*298·5*	+ 0·6	59	+ 5
723	Port au Prince	18 33	72 20	37·4	1012·2	1016·5	+ 1·6	304·5	306·1	10th, 28th	293·8	291·3	11th	299·2	*298·6*	+ 0·7	1	— 31
723a	Caracas	10 30	66 56	1042	900·1	1015·2	+ 1·6	296·5	300·0	29th	286·5	282·4	14th	291·5	*290·9*	— 0·7	8	— 37
724	Montserrat	16 41	62 9	39·6	1011·0	1015·7	+ 1·1	‡300·4	‡301·9	1, 2, 12	‡295·6	‡294·1	18th, 22nd	‡298·0	*‡297·6*	— 0·2	144	+ 99
724a	San Juan, Porto Rico	18 29	66 7	25·0	1014·2	1017·3	+ 1·3	300·3	301·3	1st	295·1	292·4	30th	297·7	*297·5*	+ 0·1	213	+ 57
725	Grenada (Richmond Hill)	12 5	61 46	155	‡995·5	‡1013·5	+ 1·1	300·7	301·9	5, 9, 17	295·6	294·1	11, 26, 30	298·1	*297·5*	— 0·5	192	+ 4
	ϕBarbados	13 8	59 36	55·2	..	1014·2	+ 0·8	301·1	302·7	5, 20, 23	..	..	..	..	*296·8*	— 0·3	81	— 26
731	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1013·9	1015·2	+ 0·6	297·3	298·8	14th	292·0	290·0	12th	294·7	*295·5*	— 0·2	6	— 1
732	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	298·5	301·4	9th	294·3	292·8	31st	296·4	*296·5*	— 0·3	8	+ 1
733	Dakar	14 40	17 26	32	1010·7	1014·4	..	300·3	305·6	6th	292·7	287·8	27th	296·5	*295·4*	+ 0·6	0	— 11
734a	Bathurst	13 27	16 34	1·8	1013·7	1014·0	+ 0·5	302·1	304·1	3rd, 5th	292·0	283·0	31st	297·1	*297·1*	0·0	0	— 2
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	308·6	..	..	285·2	..	..	..	..	0	— 1
736	Niénébalé	12 57	7 26	300	..	..	..	303·4	306·5	11th	285·3	280·9	5th	294·3	*293·2*	..	0	— 1
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	305·8	309·1	14th	290·1	285·8	16th	297·9	*297·5*	+ 1·1	0	0
738	ϕKaduna Capital	10 32	7 25	637	945·2	1017·0	+ 1·0	304·8	310·8	28th	..	..	..	..	*‡295·7*	+ 0·1	0	0
739	Hadejia	12 40	10 5	?	..	..	..	304·4	308·6	15th, 20th	..	..	..	..	*‡295·4*	— 0·9	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	304·8	308·6	15th, 16th	287·2	284·1	10th, 26th	296·0	*295·6*	— 0·3	0	0
741	El Fasher	13 32	25 18	730	..	..	..	305·0	310·0	21st	284·0	280·0	31st	294·5	*292·8*	..	0	0
743	El Obeid	13 11	30 14	569	947·4	1011·9	— 1·0	305·3	310·2	21st	287·2	280·4	28th	296·2	*295·5*	+ 2·1	0	..
743a	Khartoum	15 37	32 33	390	967·2	1010·8	— 1·8	304·9	309·8	7th, 8th	290·1	283·4	28th	297·5	*297·4*	+ 0·7	0	0
744	Port Sudan	19 37	37 13	5·5	1011·8	1012·4	— 1·8	302·2	304·5	10th	294·9	290·1	28th	298·6	*297·8*	+ 0·4	12	— 5
745	Berbera, Somaliland	11 22	45 2	9·5	1013·5	1014·6	— 1·5	304·8	306·9	2, 8, 21	292·2	288·6	7th	298·5	*298·9*	+ 0·1	2	— 5
746	Aden	12 45	45 3	28·7	1012·7	1016·1	— 0·4	300·6	302·7	1st	296·1	293·9	9th	298·3	*297·9*	+ 0·2	1	— 2
751	Bombay	18 54	72 49	11·3	1014·2	1015·6	+ 0·3	302·4	304·0	25th	294·4	291·5	11th	298·4	297·2	+ 0·2	0	— 1
752	Kodaikanal	10 14	77 28	2343	771·9	..	+ 0·1	290·3	294·3	29th	280·8	276·6	24th	285·6	*284·8*	0·0	105	— 7
752a	Bangalore	12 59	77 38	921	914·1	1016·3	+ 0·9	300·4	301·9	1st	287·4	283·9	25th	293·9	*293·4*	+ 0·7	0	— 12
753	Madras	13 4	80 14	6·7	1015·1	1015·9	+ 0·9	301·4	302·4	9th, 15th	293·1	290·2	27th	297·2	*296·8*	— 0·5	22	— 125
754	Vizagapatam	17 42	83 19	11·6	1016·2	1017·6	+ 1·2	300·1	301·6	1st	292·6	290·5	24th	296·3	*295·9*	— 0·1	0	— 19
755	Port Blair	11 40	92 40	18·0	1011·7	1013·7	+ 0·9	301·6	302·7	1st, 4th	297·1	294·4	21st	299·3	*298·9*	— 0·8	131	— 44
756	Rangoon	16 46	95 48	5·5	1015·9	1016·6	+ 1·7	303·2	305·9	3rd	291·9	288·3	30th	297·6	*296·7*	— 0·5	0	— 9
757	Saigon (Cap St. Jacques)	10 20	107 5	180	992·3	1013·0	+ 2·8	300·1	303·1	26th	294·0	292·6	24th	297·0	*296·5*	— 0·8	22	— 12
758	Nhatrang	12 15	109 12	3·6	1013·8	1014·2	+ 1·3	300·7	303·1	24th	292·2	289·4	6th	296·5	*295·9*	— 0·9	1	— 217
759	Bolinao	16 23	119 53	7·1	..	1008·9	— 0·9	302·4	305·0	4th	294·5	290·8	30th	298·5	*298·0*	— 1·4	47	+ 35
761	Vigan	17 34	120 23	12·2	..	1009·4	— 1·5	302·1	305·4	24th	294·8	292·1	30th	298·5	298·2	— 1·0	89	+ 82
761a	Manila	14 35	120 59	14·2	..	1010·0	— 1·1	302·6	305·4	4th	294·4	290·2	29th	298·5	*297·6*	— 0·5	73	— 4
762	Ormoc	11 0	124 36	5·6	..	1007·3	— 1·1	302·9	306·2	26th	295·0	292·3	23rd	298·9	*298·1*	— 0·4	353	+157
765	Guam, Ladrone Is.	13 24	144 38	18·6	..	1008·9	+ 0·2	302·1	303·1	27th	298·0	296·3	24th	300·1	*300·0*	+ 0·4	61	— 68
		N.	E.															

Between Latitude 10° N. and 0°.

DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·5	1011·1	..	304·5	306·7	11th	..	..	..	..	*‡302·3*	+ 1·0	4	—234
821	Colon	9 23	79 23	11·0	..	1011·5	+ 0·6	302·6	304·1	17th	297·1	295·2	29th	299·8	*299·4*	+ 0·2	225	— 64
822	Bogota	4 36	74 5	2645	744·4	..	..	291·4	294·0	8th	282·7	280·0	1st	287·1	*286·4*	..	111	+ 44
822a	Merida, Venez	8 36	71 9	1641	‡841·6	..	+ 0·2	295·0	299·6	6th	286·7	284·8	16th	290·9	*290·1*	— 0·5	64	+ 16
823	Ciudad Bolivar	8 9	63 33	38	1007·8	1012·2	..	302·9	304·8	11th	295·7	293·8	29th	299·3	*298·8*	..	52	— 5
824	El Peru, Guayanavieja	7 19	61 49	220	985·6	1010·7	+ 1·0	300·2	302·5	2nd	292·8	291·4	30th	296·5	*296·0*	— 1·2	95	— 14
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1011·8	+ 0·1	302·3	303·6	9th	296·8	294·7	19th	299·6	*299·0*	0·0	285	— 2
826	Paramaribo	5 49	55 9	3·7	‡1011·4	‡1011·8	— 0·3	302·4	304·8	1st	294·5	292·9	10th	298·5	*298·8*	— 0·5	271	+ 51
826a	Cayenne	4 56	52 21	6	..	..	..	302·2	304·0	5th	295·2	293·0	24th	298·7	*298·1*	— 1·1	296	+ 24
831	10°—5° N. 30°—25° W.	††7 5	††27 5	§(89-105)	..	1012·6	+ 0·8	..	..	Sea Temp. 299·1	—0·3	..	..	..	..	..	..	..
834	Konakri	9 31	13 43	16	1008·7	1010·5	+ 0·2	305·1	306·5	31st	293·7	292·0	20th, 26th	299·4	*298·7*	— 0·8	0	— 19
835	Freetown, Sierra Leone	8 29	13 14	68·3	1004·5	1012·4	+ 1·5	303·9	305·2	16th, 26th	294·9	292·4	28th	299·4	*298·5*	— 1·0	0	— 36
837	Assuantsi	5 18	1 15	101	..	..	..	302·3	303·6	5, 13, 25	293·8	291·9	31st	298·1	*297·5*	..	52	— 14
838	Accra	5 33	W 0 12	27·0	1007·5	1010·6	..	304·5	305·8	13th	296·1	293·6	19th	300·3	*299·8*	+ 0·6	92	+ 24
839	Lagos	6 27	E 3 24	4·6	1008·7	1009·1	— 0·9	304·2	305·8	1st, 16th	297·2	295·8	12, 19, 26	300·7	*299·8*	0·0	67	+ 45
841	Zungeru	9 48	6 10	130	..	..	..	308·7	309·7	sev. dates	289·2	286·9	2nd, 4th	298·9	*298·4*	— 0·3	49	+ 28
	Yola	9 12	12 30	259	..	..	..	307·6	310·2	16, 20, 21	291·2	289·7	3rd,

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
905	Malden Island	S. 4 1	W. 155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	8	− 12
924	ϕManaos	3 8	60 1	43·8	1005·3	1010·4	..	304·3	308·8	20th	295·9	294·8	30th	300·1	*299·0*	− 0·3	178	− 24
926	Taperinha	2 30	54 20	20·0	1008·1	1010·4	+ 0·2	303·7	305·7	3rd	295·5	294·2	16th	299·6	*298·6*	0·0	121	+ 14
927	Turyassu	1 43	45 26	9·1	1009·0	1010·2	0·0	305·1	307·0	9th	295·1	292·7	2nd	300·1	*299·4*	− 0·6	202	+ 41
928	Barra do Corda	5 30	45 16	81·0	999·7	1009·0	+ 0·1	303·5	306·6	12th	295·0	294·2	sev. dates	299·2	*298·1*	− 0·7	156	+ 5
929	Quixeramobim	5 16	39 15	207	988·1	1011·4	+ 0·7	305·0	307·0	6th	297·8	296·0	31st	301·4	*301·1*	− 0·4	24	+ 1
930	Fernando Noronha	3 50	32 25	106	999·8	1011·7	− 0·2	300·0	301·6	18th	297·5	295·7	28th	298·8	*298·7*	− 0·4	13	− 6
										Sea Temp.							
930*a*	5°—10° S. 35°—30° W.	†† 7 10	†† 33 21	§(40–41)	..	1010·2	..	..	..	299·3 0·0	..	..	..	..	299·5	..	..	..
930*b*	0°— 5° S. 35°—30° W.	†† 2 46	†† 31 42	§(29–30)	..	1009·0	..	..	..	299·1 0·0	..	..	..	..	299·3	..	..	..
934	Ascension Island	7 56	W 14 25	16·8	1012·2	1014·0	+ 0·6	301·2	302·4	11th	295·1	294·1	9th, 29th	298·1	*297·1*	− 0·4	0	− 25
939	ϕLoanda	8 49	E 13 13	51	..	1011·4	+ 0·2	299·8	302·0	6th	294·4	293·2	20th, 25th	297·1	296·7	− 1·2	1	+ 1
940	Brazzaville	4 17	15 16	321	975·6	1011·8	+ 0·1	303·0	307·0	11th	293·7	292·0	9th	298·4	*297·8*	− 0·4	251	+ 229
943	ϕMasaka	0 21	31 47	†1280	..	..	..	299·9	301·3	7th, 21st	288·1	287·4	sev. dates	294·0	*293·7*	+ 1·1	82	− 2
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	40	− 3
944*a*	Zanzibar	6 10	39 11	21·9	1011·0	1013·5	0·0	302·9	304·7	7th	299·2	298·0	3rd	301·1	*300·6*	0·0	140	+ 3
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	298·0	294·7	29th	..	..	..	8	+ 2
947	Seychelles, Port Office	4 37	55 27	4·6	1011·3	1012·0	+ 0·1	301·6	303·2	5th	297·6	295·9	24th	299·6	*299·0*	+ 0·2	382	+ 23
957	Padang	0 56	100 22	6·7	..	1011·3	+ 0·6	..	..	..	..	..	..	..	..	..	511	+ 30
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 1·2	302·3	304·2	20th	296·1	294·8	20th	299·2	298·8	0·0	135	− 15
958*a*	Pontianak	0 1	109 20	2·6	..	1011·6	+ 1·9	..	..	..	..	..	..	..	..	..	142	− 6
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	77	− 26
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	131	− 7
962	Amboina	3 42	128 10	4·2	..	1008·5	+ 0·2	..	..	..	..	..	..	..	..	..	119	− 5
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	327	+ 5
965	ϕDaru	9 4	143 13	7·6	..	1005·6	− 3·3	303·3	..	..	297·2	..	..	300·2	*299·8*	− 0·4	215	+ 2
966	Port Moresby	9 29	147 9	39·0	..	1008·4	− 0·3	304·7	..	..	297·6	..	..	301·2	*300·7*	+ 0·1	122	− 9
967	Rabaul	4 9	152 12	20·7	..	1007·7	..	304·8	306·6	13th, 17th	295·8	294·1	8th	300·3	*299·7*	− 0·3	181	− 2
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	303·7	305·3	22nd	297·1	295·9	12th, 30th	300·4	*300·2*	− 0·7	395	+ 15
970	Ocean Island	0 52 S.	169 35 E.	54·0	1003·5	1009·6	+ 0·4	304·2	305·2	16, 29, 30	298·4	296·9	30th	301·3	*300·6*	+ 0·4	1	− 25

DECEMBER—ZONE 10. Between Latitudes 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1002	Apia, Samoa	S. 13 48	W. 171 46	2	..	1008·4	+ 0·1	302·0	304·7	29th	296·5	294·4	19th	299·2	299·1	− 0·2	404	+ 25
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	303·0	305·8	16, 17, 24	295·1	292·4	16th, 17th	299·0	*298·8*	− 0·2	179	− 2
1021	Arequipa	16 22	71 33	2452	761·4	..	+ 1·0	292·7	295·2	8th	282·8	280·6	17th	287·7	*286·9*	0·0	0	− 1
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	..	..	..	..	*292·1*	..	0	− 1
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	993·5	1006·3	− 1·0	309·3	313·0	13th	296·4	289·6	2nd	302·8	*302·7*	+ 2·1	79	− 1
1026	Cuyaba	15 36	56 6	165	988·6	1007·3	− 1·1	305·4	308·5	12th	295·0	292·7	8th	300·2	*299·2*	− 0·2	243	+ 1
1027	Bello Horizonte	19 55	43 57	895	913·1	1012·3	+ 1·1	298·2	302·2	5th	289·5	286·6	12th	293·8	*293·2*	− 1·0	349	+ 1
1028	Caetite	14 3	42 37	897	914·3	1013·1	+ 0·3	298·8	302·9	24th	291·0	289·8	23rd, 31st	294·9	*294·1*	− 1·7	209	+ 1
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·1	1011·5	− 0·4	301·6	304·2	26th	295·7	294·5	11th	298·6	*298·5*	0·0	106	− 1
1030	Aracaju	10 55	37 3	6·1	1012·7	1013·5	+ 0·4	302·0	303·5	25th	296·1	293·8	23rd	299·0	*299·1*	− 0·6	17	− 6
										Sea Temp.							
1030*a*	15°—20° S. 40°—35° W.	†† 7 4	†† 37 39	§(48–52)	..	1012·5	..	..	..	298·1 −0·6	..	..	..	..	298·4	..	..	..
1030*b*	10°—15° S. 40°—35° W.	†† 11 15	†† 35 53	§(44–45)	..	1010·8	..	..	..	299·5 +0·1	..	..	..	..	299·4	..	..	..
1035	St. Helena	15 57	W 5 40	604	946·3	1015·3	+ 1·3	294·1	296·0	20th	285·9	285·1	20th	290·0	*290·0*	+ 0·2	51	− 2
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	..	..	299·0	14th	..	..	*292·0*	..	0	− 1
1041	Livingstone	17 51	25 51	972	904·0	1009·0	..	302·2	306·9	4th	291·8	289·7	17th, 18th	297·0	..	..	293	+ 1
1041*a*	Elisabethville	11 39	27 28	1236	877·0	1009·2	+ 0·8	301·3	303·3	2nd	288·9	285·3	27th	295·1	..	+ 0·2	179	+ 1
1042	Gwelo	19 28	29 48	1417	..	..	..	298·8	305·2	7th	288·8	286·3	8th	293·8	..	− 0·6	296	+ 1
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	852·0	1008·1	− 1·0	298·2	302·4	4th, 5th	288·7	286·4	2nd	293·4	292·1	− 0·5	295	+ 1
1044	Zomba	15 23	35 18	955	905·7	1009·8	+ 0·6	303·8	309·1	5th	292·6	290·2	9th	298·2	*296·0*	+ 2·4	165	+ 1
1044*a*	Mossuril	14 57	40 40	15	..	1011·4	..	..	..	306·4	309·3	7th	296·5	294·1	1st	301·4	301·0	..
1045	Antananarivo	18 55	47 33	1375	863·9	1011·1	+ 0·3	299·4	302·3	21st	287·8	286·2	7th	293·6	292·7	0·0	472	+ 2
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1047	Vohémar	13 21	50 1	3	..	1005·2	..	305·0	307·0	..	295·9	294·0	..	300·4	*299·8*	..	54	− 3
1048	Antalaha	14 58	50 19	3	..	1009·8	..	..	..	..	..	..	..	..	..	..	65	− 5
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1013·1	1013·7	+ 1·5	303·9	305·8	11th	298·6	296·8	1st	301·3	*300·9*	+ 1·3	6	− 3
1057	Christmas Island	10 25	105 43	5·5	1008·1	1008·7	+ 1·0	303·3	305·2	28th	296·4	295·2	11, 17, 19	299·9	*299·3*	− 0·3	157	+ 5
1061	Kupang	10 10	123 34	45·1	..	1009·1	+ 0·8	305·0	306·2	1st	296·9	294·7	22nd	300·9	300·3	+ 0·3	74	− 2
1061*a*	Derby	17 18	123 40	16·2	1005·1	1007·2	− 0·3	308·8	317·2	6th	299·8	294·4	26th	304·3	..	+ 0·5	29	− 2
1062	Hall's Creek	18 13	127 46	373	964·7	1005·2	− 1·9	312·4	315·7	26th	297·8	290·9	20th	305·1	*304·5*	+ 1·6	29	− 2
1063	Darwin	12 28	130 51	29·6	1003·5	1007·1	+ 0·4	306·1	308·7	27th	297·9	295·3	3rd, 6th	302·0	*300·8*	− 0·5	153	+ 1
1064	Daly Waters	16 16	133 23	211	981·2	1004·7	− 1·1	309·7	313·6	31st	296·6	292·4	10th	303·1	*302·5*	− 1·0	211	+ 1
1065	Mein	13 13	142 47	122	992·2	1005·9	− 0·4	305·4	309·7	4th	294·7	292·3	29th	300·1	*299·3*	− 1·3	454	+ 2
1066	ϕGeorgetown, Queensland	18 22	143 32	302	974·4	1007·8	− 0·2	307·7	311·9	29th	295·6	289·7	29th	301·7	..	0·0	60	− 3
1066*a*	Willis Island	16 18	149 59	8·5	1006·6	1007·6	..	302·3	303·4	19th	297·9	295·2	2nd	300·1	*299·7*	..	101	− 3
1067	Samarai	10 37	150 40	15·2	..	1007·4	− 1·2	..	..	..	297·1	..	..	..	‡*300·8*	− 0·4	106	− 3
1072	ϕSuva, Fiji	18 8 S.	178 26 E.	6·1	1008·2	1009·0	− 0·8	304·1	306·9	29th	295·0	292·2	17th	299·5	*299·3*	+ 0·4	257	+ 14
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 1.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1105	ϕRarotonga (Avarua)	S. 21 12	W. 159 47	6	..	..	..	301·6	303·8	29th	295·6	293·0	3rd	298·6	*298·4*	+ 0·7	225	+ 18
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·7	1015·9	+ 1·1	292·1	295·5	9th	287·6	286·0	1st, 2nd	289·9	*289·5*	+ 0·7	0	0
1122	Iquique	20 12	70 11	9	1013·8	1014·9	+ 0·7	296·2	299·5	25th	287·5	285·7	2nd	291·9	*292·8*	+ 0·1	0	0
1123	Catamarca	28 27	65 47	510	950·0	1006·1	+ 0·1	307·8	316·1	5th	293·7	287·7	2nd	300·8	*300·0*	+ 0·7	117	+ 56
1124	Salta	24 46	65 28	1178	881·1	1007·8	+ 1·1	303·2	308·6	5th	289·3	282·4	1st	296·3	*296·3*	+ 1·4	137	− 3
1125	Goya				1005·6	1008·6	+ 0·8	309·4	315·5	12th	293·0	283·3	1st	301·2	*300·5*	+ 2·7	93	− 29
1126	ϕAsuncion	25 17	57 41	93	997·9	1008·4	− 0·4	309·1	315·3	14th	294·0	286·2	2nd	301·6	*301·2*	+ 1·6	101	− 54
1127	Curityba	25 25	49 17	908	912·0	1012·6	+ 0·1	298·9	305·3	15th	286·4	280·3	10th	292·6	*291·7*	− 0·7	75	− 67
1128	Rio de Janeiro	22 54	43 10	18·3	1010·2	1012·4	+ 0·9	299·1	303·1	14th	293·8	289·8	7th	296·4	296·3	− 1·3	318	+ 179
										Sea Temp.							
1128*a*	25°—30° S. 50°—45° W.	†† 27 34	†† 47 40	§(64–77)	..	1013·7	..	..	..	294·8 −1·3	..	..	..	..	..	..	..	..
1128*b*	20°—25° S. 45°—40° W.	†† 22 33	†† 44 39	§(33–34)	..	1011·8	..	..	..	296·2 −0·6	..	..	..	..	297·0	..	..	..
1139	Windhoek	W. 22 34	E 17 5	1669	..	..	..	303·4	306·4	30th	290·1	283·1	4th	296·8	*296·7*	+ 0·3	19	− 27
1141	Kimberley	28 42	24 47	1202	880·7	1009·8	+ 0·8	301·9	308·1	31st	288·7	283·6	6th	295·3	294·8	− 2·1	130	+ 81
1141*a*	ϕJohannesburg	26 11	28 4	1806	822·0	1012·1	+ 0·4	295·4	299·6	2nd	285·2	281·3	1st	290·3	*289·9*	− 1·3	146	+ 8
1142	Bulawayo	20 9	28 35	1340	866·8	1010·3	− 0·3	298·2	302·6	4th, 5th	289·0	286·4	1st, 7th	293·6	*293·1*	− 1·5	266	+ 135
1143	Durban																	
1144	Lourenço Marques	29 52	31 3	15·2	1014·5	1016·3	+ 0·8	299·6	302·1	20th, 24th	293·5	287·9	6th	296·6	*296·2*	+ 0·4	119	− 11
1145	Tuléar	25 58	32 36	59	..	1014·2	+ 0·9	301·3	309·0	4th	293·3	289·8	7th	297·3	296·9	− 0·7	105	+ 4
1146	Fort Dauphin	23 23	43 40	4	..	..	..	306·2	..	..	298·2	293·0	..	302·2	..	..	89	..
1147	Mauritius	25 2	46 58	25	..	1002·2	..	..	..	..	..	285·0	..	..	..	..	131	..
1159	Onslow	20 6	57 33	55·2	1007·7	1014·0	0·0	302·8	305·4	7th	293·9	290·8	5th	298·3	297·8	− 0·6	181	+ 61
1160	Cue	21 43	114 57	4·3	1006·3	1007·3	+ 0·2	310·0	319·4	25th	293·5	290·3	13th	301·8	..	+ 0·1	0	− 3
1161	ϕNullagine	27 27	117 52	454	959·5	1009·2	+ 1·2	309·6	316·4	21st	294·2	286·3	13th	301·9	..	+ 0·3	0	− 12
1162	ϕLaverton	21 53	120 5	386	963·5	1005·3	− 0·2	313·1	316·6	2nd	295·6	288·6	17th	304·3	..	..	..	..
1163	Alice Springs	28 40	122 23	466	960·2	1011·5	+ 2·0	308·1	316·3	23rd	292·0	283·8	14th	300·0	*299·8*	− 0·2	0	− 34
1164	William Creek	23 38	133 37	587	943·9	1007·7	+ 0·5	307·3	313·6	25th	290·3	284·3	19th	298·8	*298·8*	− 0·4	0	− 17
1164*a*	ϕBoulia	28 55	136 21	76·2	1003·3	1011·6	+ 1·6	306·3	313·8	11th	290·1	279·4	15th	298·2	*297·8*	− 2·1	5	− 35
1165	Thargomindah	22 55	139 38	146	990·5	1006·8	+ 0·9	309·0	314·2	26th	294·8	290·1	4th	301·9	*301·9*	− 2·3	2	− 8
1166	Mitchell	27 58	143 43	123	995·4	1009·2	+ 1·6	306·2	314·9	1st	293·4	287·7	3rd	299·8	*299·4*	− 2·0	19	− 19
1167		26 32	147 52	336	972·2	1009·4	+ 1·5	303·3	310·2	26th	289·2	283·1	28th	296·2	..	− 2·2	14	− 22
1168	Rockhampton															− 3·0	25	− 39
1169	Brisbane	23 24	150 30	11·3	1008·2	1009·7	− 0·6	303·3	308·8	2nd	294·0	291·0	28th	298·7	*298·1*	− 1·5	192	+ 75
1170	Norfolk Island	27 28	153 2	41·8	1007·8	1012·3	+ 0·2	300·7	305·9	2nd	291·2	287·3	5th	296·0	*295·5*	− 1·7	40	− 86
		29 4 S.	167 59 E.	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 30° S. and 40° S.

DECEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1221	Juan Fernandez	S. 33 37	W. 78 50	345	977·0	1017·6	..	291·4	295·6	31st	285·0	283·0	2nd	288·2	*287·4*	..	49	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1001·4	1015·8	+ 0·3	290·7	293·8	7th	283·4	281·0	29th	287·1	*287·2*	− 0·2	1	− 10
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1010·3	1015·2	+ 0·4	294·7	302·5	6th	285·9	284·2	14th	290·3	*289·7*	− 0·4	0	− 3
1222*a*	Santiago	33 27	70 42	520	953·6	1012·6	− 0·3	302·7	306·7	6th	284·0	281·0	1st	293·3	*292·6*	+ 0·9	0	− 5
1223	Cordoba	31 25	64 12	423	961·4	1008·7	− 0·2	305·9	314·9	4th	290·1	282·8	1st	298·0	297·5	+ 2·1	113	− 5
1224	Bahia Blanca	38 45	62 15	25	1006·2	1009·2	− 1·1	304·6	310·0	21st	289·2	280·5	13th	296·9	*297·0*	+ 2·3	26	− 27
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1008·5	1011·2	− 0·1	303·1	310·7	4th	290·1	282·4	6th	296·6	296·7	+ 2·1	17	− 81
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1012·2	+ 0·6	..	303·1	9th	..	280·8	1st	..	*294·0*	+ 0·1	152	+ 59
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1008·7	1011·4	− 0·2	304·4	311·9	5th	290·8	280·8	1st	297·6	297·0	+ 0·9	38	− 64
										Sea Temp.							
1226*b*	30°—35° S. 55°—50° W.	†† 33 1	†† 51 50	§(60–72)	..	1014·9	..	..	..	291·3 −1·9	..	..	..	..	292·0	..	..	..
1239	ϕCape Town	W. 33 56	E 18 29	12·2	..	1013·6	− 0·7	300·1	307·6	1st	289·8	285·6	13th	294·9	*293·6*	+ 2·0	1	− 20
1240	Danger Point	34 37	19 18	27·7	1011·8	1015·1	..	296·1	299·7	5th	288·9	284·1	9th	292·5	..	+ 1·3	4	− 9
1241	Riversdale	34 6	21 16	†100	..	..	..	301·8	313·0	1st	289·2	283·8	20th	295·5	..	..	19	− 12
1242	East London	33 2	27 55	44·8	..	1014·4	+ 0·9	298·4	311·3	18th	290·2	285·2	4th, 6th	294·3	..	+ 1·0	132	+ 76
1259	Perth (Observatory)	31 57	115 51	60·0	1007·4	1014·5	+ 1·1	301·4	308·9	20th	288·7	282·6	13th	295·1	*294·8*	+ 0·5	0	− 14
1260	Katanning	33 42	117 35	310	980·0	1015·7	+ 2·5	300·8	311·3	20th	284·2	278·2	14th	292·5	..	− 0·9	0	− 14
1261	ϕCoolgardie	30 57	121 10	423	965·8	1012·9	+ 1·9	305·1	315·7	23rd	288·1	280·8	14th	296·6	*296·4*	− 0·7	2	− 16
1262	Eucla	31 45	128 58	4·6	1014·5	1015·2	+ 2·2	295·7	305·2	3rd, 5th	288·6	284·4	11th	292·1	*291·5*	− 1·5	12	+ 1
1263	ϕStreaky Bay	32 48	134 13	13·1	1013·9	1015·3	+ 1·7	300·7	313·1	11th	286·9	282·4	7th	293·8	*293·0*	− 0·5	6	− 4
1264	Adelaide	34 56	138 35	42·7	1006·6	1015·0	+ 1·9	300·6	314·4	12th	286·9	280·2	2nd	293·8	*293·3*	− 0·9	8	− 17
1265	Melbourne	37 49	144 58	35·1	1010·1	1014·3	+ 1·6	295·7	313·1	12th	284·5	278·9	2nd	290·1	*289·8*	− 1·1	75	+ 17
1266	Bourke	30 13	145 58	110	1001·3	1014·1	+ 1·6	305·2	311·3	1st	289·3	282·4	3rd	297·2	..	+ 4·0	62	+ 31
1267	Sydney	33 51	151 13	42·1	1007·7	1012·7	+ 0·9	295·5	306·9	14th	287·5	282·1	3rd	291·5	*291·5*	− 2·7	68	− 5
1268	Lord Howe Island	31 20	159 0	4·6	1012·7	1013·3	− 0·7	296·3	298·8	1st	289·1	283·8	23rd	292·7	..	− 1·9	126	+ 7
1271	Auckland	36 50	174 50	38·1	..	1007·8	− 5·6	293·2	296·3	16th	286·6	283·8	9th	289·9	..	+ 0·8	112	+ 40
1272	ϕNapier	39 29 S.	176 55 E.	1·5	..	..	..	294·1	299·4	3rd	285·3	279·9	15th	289·7	..	− 1·2	58	− 1

Between Latitude 40° S. and 50° S.

DECEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1301	Chatham Island	S. 43 57	W. 176 31	45·7	..	1002·6	..	..	..	..	..	..	..	..	..	..	112	+ 52
1321	ϕIala Guafo	43 34	74 45	140	998·7	1015·6	+ 0·5	286·7	288·8	26th	280·7	277·3	7th	283·7	*284·3*	+ 0·2	83	+ 19
1322	Punta Galera	40 1	73 44	40	1012·8	1017·6	+ 0·9	287·9	291·2	20th	282·7	279·0	6th	285·3	*285·8*	− 0·6	62	− 23
1323	Sarmiento	45 30	69 0	274	975·2	1005·8	− 1·7	296·5	304·2	14th	283·0	278·8	12th	289·8	*289·2*	− 0·1	2	− 3
1324	Puerto Madryn	42 49	W 64 58	14	1006·4	1007·8	− 0·9	301·0	310·0	7th	283·9	278·0	10th	292·4	*292·9*	+ 1·5	0	− 10
1365	Launceston	41 27	E 147 10	10·1	1010·1	1011·3	− 2·2	295·5	304·9	13th	282·1	276·3	2nd	288·8	*288·0*

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	991·9	998·6	− 3·1	281·6	283·5	18th, 19th	278·2	275·0	9th	279·9	*279·8*	− 0·7	352	+ 9
1422	Puerto de Punta Arenas	53 10	70 54	28	992·7	996·1	− 3·2	286·4	291·5	18th	279·4	275·2	5th	282·9	*282·7*	− 0·5	36	+ 1
1423	ϕPunta Dungeness	52 24	68 26	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424	Santa Cruz	50 11	68 21	12	998·0	999·0	− 2·7	293·4	302·0	27th	281·7	277·5	5th	287·6	*287·2*	+ 0·7	25	− 4
1424a	Año Nuevo	54 39	64 8	50	986·7	992·7	− 3·6	285·7	289·6	17th	277·8	274·0	8th	281·7	*280·8*	+ 0·4	54	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	996·1	..	285·9	292·4	1st	278·2	274·1	2nd	282·1	..	..	94	+ 21
1426	Cape Pembroke	51 41	57 42	21·3	993·8	996·3	− 3·5	284·1	289·7	1st, 14th	277·8	274·1	2nd	280·9	281·3	0·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	991·6	992·1	− 3·2	280·1	287·4	16th	272·6	270·0	26th	276·3	*276·5*	− 0·3	70	− 5
		S.	W.															

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	988·7	989·6	− 3·9	274·1	278·3	15th	270·9	268·9	11th	272·5	272·7	+ 0·5	68	+ 45
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—DECEMBER 1924.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	8h.
1	SE	8·8	SE 8	SW 1	SW 3	Calm 0	S 1	E 2	E 2	SE 4	ENE 2	E 2	SE
2	SE	6·5	SE 8	SW 1	SW 1	N 1	S 1	E 2	E 2	SE 1	ENE 3	ENE 3	SE
3	SE	5·6	SE 8	SW 1	NW 1	NW 1	Calm 0	E 2	E 2	SE 1	S 1	ESE 2	ESE
4	SE	4·7	SE 4	NNE 3	WSW 1	NW 1	W 1	E 2	E 2	Calm 0	E 1	E 2	E
5	SE	3·9	SE 8	Calm 0	SW 2	N 1	Calm 0	EbyS 2	EbyS 2	Calm 0	E 2	E 1	E
6	ESE	3·1	ESE 7	Calm 0	SW 1	NW 1	N 2	EbyS 2	E 2	NW 6	E 2	ENE 4	Calm
7	SE	4·7	SE 6	Calm 0	Calm 0	NW 2	Calm 0	E 2	EbyN 2	Calm 0	E 2	E 2	SE
8	SE	7·2	SE 7	NE 1	NE 2	N 1	Calm 0	EbyN 2	EbyN 2	Calm 0	E 2	E 2	ENE
9	ESE	6·3	SE 10	E 3	Calm 0	Calm 0	Calm 0	EbyN 2	E 2	Calm 0	E 2	E 2	Calm
10	SE	4·8	SE 7	ENE 1	W 1	Calm 0	Calm 0	ENE 2	ENE 2	NW 1	E 2	ENE 1	SSW
11	SE	3·3	SE 2	ENE 1	SW 1	N 1	Calm 0	E 1	ENE 2	Calm 0	E 1	E 1	WSW
12	SE	2·3	SE 7	N 1	SW 2	N 1	Calm 0	N 1	NNE 1	Calm 0	E 1	E 1	S
13	Calm	2·5	SE 4	Calm 0	WSW 2	Calm 0	Calm 0	NEbyN1	NbyE 1	SE 2	E 2	NE 1	Calm
14	SE	4·5	SE 7	Calm 0	Calm 0	Calm 0	SW 1	EbyN 1	NEbyN1	E 2	E 1	Calm 0	SW
15	SE	2·8	SE 6	E 1	Calm 0	NE 1	Calm 0	..	NEbyN2	Calm 0	E 1	Calm 0	SW
16	Calm	2·3	SE 5	E 1	NE 1	NE 1	E 1	EbyN 2	EbyN 2	SE 2	E 1	Calm 0	SW
17	SSE	4·8	SE 7	Calm 0	SW 2	Calm 0	Calm 0	EbyN 2	EbyN 2	NW 2	E 1	Calm 0	WSW
18	SSE	6·6	SE 8	Calm 0	SW 1	SE 1	N 1	E 2	E 2	S 1	E 2	E 1	SE
19	SSE	5·2	SE 8	Calm 0	Calm 0	SE 3	Calm 0	E 2	E 2	Calm 0	NE 4	ENE 4	SE
20	SSE	4·0	SE 8	Calm 0	SW 1	SE 2	S 1	E 2	..	Calm 0	ENE 3	E 2	ESE
21	SE	4·7	SE 8	Calm 0	SW 1	N 1	Calm 0	EbyN 1	EbyN 2	NW 1	NE 3	NE 3	E
22	SE	3·7	SSE 8	ENE 1	Calm 0	N 1	S 1	E 2	E 2	NW 1	E 3	E 3	E
23	SE	3·8	SE 9	ENE 3	NE 2	NW 1	Calm 0	E 2	E 2	Calm 0	E 2	E 2	E
24	SE	4·8	SSE 7	ENE 3	Calm 0	Calm 0	NW 2	E 2	E 1	NW 4	ESE 3	ESE 4	EbyN
25	SE	6·5	SE 8	E 4	Calm 0	SW 2	Calm 0	E 2	EbyN 1	..	ESE 3	ESE 3	NE
26	SE	5·4	SE 8	ESE 1	ESE 2	Calm 0	S 1	EbyN 1	NEbyN2	..	ESE 3	ESE 3	N
27	SE	3·6	SE 8	E 2	Calm 0	N 1	SW 1	EbyN 2	EbyN 2	Calm 0	ESE 4	ESE 3	N
28	ESE	3·9	SE 8	E 4	Calm 0	W 1	SW 1	EbyN 2	EbyN 2	Calm 0	ESE 5	ENE 5	Calm
29	ESE	5·1	SE 7	NE 2	Calm 0	W 1	Calm 0	EbyN 2	EbyN 2	W 1	ESE 3	Calm 0	SSW
30	ESE	2·9	SE 6	ENE 3	Calm 0	N 1	Calm 0	EbyN 2	EbyN 2	Calm 0	SE 1	Calm 0	SSW
31	Calm	0·4	SE 6	NE 1	WSW 2	SW 1	Calm 0	EbyN 2	EbyN 2	SE 2	E 1	E 2	
Mean	..	4·5	7·0	1·3	0·9	0·9	0·5	1·8	1·8	1·1	2·3	2·0	
§Resultant	135°(86)	..	135°(98)	125°(9)		315°(14)		85°(91)		180°(3)	90°(25)		145°
§Normal	144°(91)	7·8	‖102°(77)	24°(6)		265°(44)		‖‖70°(81)		121°(9)	‖101°(20)		90°

‖Normal refers to ½ (9+21). ‖‖Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduc

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1924.

‡‡*Spitsbergen*.—During the first days thin firm ice was formed in Advent Bay, Green Harbour and in Icefjord inside the Alkhorn. On the 9th the ice Sassen Bay broke up, but a few days later the bay was filled with brash which drifted out again on the 17th. Later the ice was lying firm in this ba

‡‡*Iceland* was free of ice as is usual in this month.

‡‡*Denmark Strait*.—At Angmagsalik the sea was covered with close ice throughout the month.

‡‡*N. Atlantic and Labrador*.—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 2. The Gulf of Lawrence and Belle Isle Strait were free of ice.

‡‡*Davis Strait and Baffin Bay*.—On the 7th the first ice of the season appeared at Cape Farewell. It was again observed on the 15th and on the 18th was c inshore but from the 26th the sea was free of ice. This ice was also observed from Sagdlet from the 18th—24th. Further north the coast of M Greenland was free of ice. At Egedesminde the west ice drifted in about the 21st, at Umanak it drifted in and out, and at Upernivik it came inshor the 5th. In all three districts it had frozen with the winter ice by the 31st.

‡‡*Isforholdene i de arktiske Have*, 1924 and 1925, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1924

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1924

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. YEAR—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	7·0	..	..	..	261·6	290·2	July 25	254·5	224·1	Feb. 3	258·1	..	− 2·6	146	+ 5
125	Upernivik	72 47	56 7	19·2	1009·2	1011·6	+ 1·2	..	291·5	July 23	..	238·2	Feb. 11, 12	..	*265·5*	+ 1·1	165	− 64
132	Scoresbysund	70 29	21 58	16·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133	Germaniahavn	74 30	18 45	5·5	..	..	..	..	..	..	..	238·0	Mar. 24	..	..	..	..	..
135	Jan Mayen	70 59	W 8 18	23·1	1004·8	1007·7	..	..	287·9	Aug. 5	270·7	255·8	Feb. 27	..	*273·2*	..	409	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1008·0	1009·5	− 0·4	..	288·2	July 10	265·2	240·8	Mar. 7	..	267·8	+ 2·5	361	+ 61
140	Björnöen	74 28	19 17	40·5	1003·1	1008·2	..	..	287·1	Aug. 6	268·9	246·5	Mar. 7	..	*271·1*	..	381	..
141	Gjesvaer	71 6	25 22	6·5	‡1007·2	‡1008·0	+ 0·2	..	300·6	Aug. 6	273·7	260·3	Feb. 11	..	*276·0*	+ 1·2	663	− 77
142	Mehavn	71 1	27 47	10·2	1007·4	1008·7	+ 0·8	..	299·0	Aug. 6	272·2	257·0	Feb. 23	..	*274·8*	+ 0·6	734	− 17
143	ϕVardö	70 22	31 8	6·8	1008·3	1009·2	+ 0·3	..	294·2	July 25	272·4	257·9	Jan. 21	..	*274·7*	+ 1·0	544	− 96
147	Malye Karmakouly	72 23	52 43	15·3	1008·4	1010·3	+ 0·2	272·3	293·8	Aug. 8	266·9	238·4	Mar. 16	269·6	*269·6*	+ 2·8	413	+190
148	Waigatz	70 24	58 47	11·2	1009·2	1010·6	..	272·2	294·6	July 11	265·0	230·5	Jan. 23	268·6	*268·3*	..	177	..
153	Dickson	73 30	80 23	13	1009·1	1010·8	..	..	294·4	July 12	259·9	230·1	Jan. 18	..	‡*263·4*	..	150	..
		N.	E.															

Between Latitude 70° N. and 60° N. YEAR—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1010·1	+ 0·4	272·4	298·0	June 22	265·4	235·2	Feb. 3	268·9	*268·9*	− 0·4	489	+ 39
204	Candle	65 55	161 57	2·4	..	..	..	270·0	299·7	June 25	260·0	228·6	Feb. 3	265·0	..	− 1·5	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	− 0·9	272·9	301·9	June 21, 23	262·8	225·2	Feb. 4	267·9	*267·9*	0·0	353	+ 28
206	Rampart	65 30	150 15	114	..	..	..	272·0	301·9	June 20, 23	262·1	224·1	Feb. 3, 4	267·0	..	− 0·7	227	− 27
207																		
208	Valdez	61 7	146 16	7·6	..	..	..	..	295·2	June 11	..	251·3	Feb. 14	..	..	..	..	..
209	Eagle	64 46	141 12	254	..	1012·8	+ 0·6	274·1	301·9	July14,17,18	262·7	218·6	Dec. 12	268·4	*268·4*	− 0·2	266	− 5
210	Dawson	64 4	139 29	324	973·5	1014·4	+ 0·6	272·9	301·9	Aug. 9	262·4	225·2	Jan. 25	267·7	..	− 0·2	309	− 9
211	Careross	60 11	134 34	662	..	..	..	276·9	302·4	Aug. 7, 8	266·3	232·4	Dec. 15	271·6	..	+ 0·5	..	..
212	Fort Good Hope	66 25	128 53	65·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Fort Simpson	61 52	121 35	129	998·0	1015·5	+ 0·7	275·0	304·7	June 29	262·8	224·1	Jan. 16	268·9	..	+ 1·5	295	− 57
213	ϕHay River	60 51	115 20	161	995·1	1015·6	+ 1·3	273·5	304·7	July 2	264·0	222·4	Jan. 15	268·7	..	+ 0·6	369	+ 64
225	Jacobshavn	69 13	51 2	31·6	1005·1	1009·2	+ 0·4	271·7	289·4	July 22	265·9	236·0	Feb. 9	268·8	*269·0*	+ 1·7	262	+ 31
226	Godthaab	64 11	51 43	20·4	1003·5	1006·0	+ 0·1	..	..	..	270·1	252·9	Feb. 9	..	*272·5*	+ 1·5	381	−222
227	Ivigtut	61 12	48 10	5·0	1005·5	1006·1	+ 0·6	278·4	293·2	June 21	271·3	254·5	Feb. 8	274·9	*275·1*	+ 1·5	558	−581
229	Angmagsalik	65 37	37 33	29·3	..	..	..	..	290·5	July 14, 22	..	252·0	Mar. 6	..	..	..	..	..
231																		
232	Stykkisholm	65 5	22 46	25	..	1005·1	− 1·1	279·5	291·6	July 25	274·1	257·8	Feb. 29	276·8	*276·4*	+ 0·6	761	+109
233	Vestmanno	63 24	20 17	132	..	1003·4	− 2·0	281·7	294·2	July 18	275·5	258·0	Mar. 1	278·6	*277·8*	+ 0·3	1221	−144
233a	Grimsey	66 33	18 1	22·0	..	..	..	277·0	288·5	July 19	273·8	258·8	Feb. 29	275·4	*274·8*	+ 0·2	487	+217
234	Akureyri	65 40	18 5	4	..	1005·2	− 2·4	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn	64 41	14 22	18·0	..	1005·0	− 1·9	280·5	296·2	July 5	274·5	259·6	Mar. 1	277·5	277·2	+ 1·1	1474	+308
236	Thorshavn	62 3	6 45	26·3	1002·7	1005·9	− 2·6	281·6	290·4	Aug. 1	276·6	263·9	Mar. 5	279·1	*279·2*	− 0·1	1152	−309
	Lerwick	60 9	W 1 11	18·0	..	1008·2	− 1·1	282·7	291·9	July 13	279·2	269·1	Jan., Feb., Mar.	280·9	*280·9*	+ 0·8	1160	+196
237	ϕBergen (Met. Obs.)	60 24	E 5 19	44·4	1004·5	1009·9	− 0·8	283·2	298·0	July 13	278·0	264·5	Mar. 20	280·6	*280·4*	+ 0·3	2048	+317
238	Aalesund	62 28	6 10	6·3	1008·3	1009·1	− 1·0	..	295·2	Aug. 12	277·9	263·6	Feb. 19	..	*280·3*	+ 0·4	1154	− 96
239	ϕTrondhjem	63 26	10 25	37·0	1005·1	1009·7	− 0·6	282·1	299·8	July 20	275·3	256·7	Feb. 25	278·7	*278·6*	+ 0·9	864	+ 94
240	Bodö	67 17	14 24	22·3	1005·3	1008·0	− 0·8	..	299·0	July 25	275·3	260·8	Mar. 18	..	*278·4*	+ 1·3	1035	+129
241	Haparanda	65 50	24 9	9·2	1009·8	1011·0	+ 0·2	278·5	303·0	July 20	270·8	240·8	Jan. 22	274·7	*274·9*	+ 1·5	662	+175
242	Helsingfors	60 10	24 57	11·7	1011·8	1013·2	+ 0·5	281·0	299·0	July 30	275·2	250·7	Jan. 23	278·1	*278·3*	+ 1·1	731	+112
242a	Kuopio	62 55	27 40	233	‡983·2	‡1011·9	− 0·8	..	303·0	July 20	..	242·0	Jan. 23	..	*275·9*	+ 0·5	759	+162
243	Kola	68 53	33 1	6·7	1009·8	1010·7	+ 0·7	276·6	300·8	July 25	268·9	236·0	Jan. 21	272·8	*273·1*	+ 0·8	370	+ 67
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1012·4	1013·2	+ 1·3	277·7	302·3	Aug. 5	270·9	235·2	Jan. 23	274·3	*274·2*	+ 0·9	543	+116
246	Mezen	65 50	44 16	14·9	1010·6	1012·5	+ 1·4	276·2	301·2	Aug. 7	269·1	233·0	Jan. 23, 24	272·6	*272·8*	+ 1·2	514	+187
247	Oust-Tsylma	65 25	52 18	?68	1003·9	1012·5	+ 0·4	275·3	300·2	Aug. 5, 8	268·1	224·8	Jan. 23	271·7	*271·5*	+ 0·9	486	+ 62
248	Teherdyn	60 24	56 31	?177	..	..	..	277·6	303·3	June 5	269·7	227·3	Jan. 21	273·6	*273·3*	+ 0·8	579	+ 14
249	Berezov	63 56	65 4	39·5	1009·0	1014·1	+ 0·6	..	301·6	July 10	..	..	..	..	..	..	319	− 53
250	ϕObdorsk	66 31	66 36	35·2	1010·2	1014·7	+ 1·8	..	298·0	July 8	264·8	229·0	Jan. 22	..	*268·4*	+ 2·5	431	+157
251	New Port	67 42	72 57	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	ϕSourgout	61 15	73 24	?40	1009·4	1014·5	+ 0·1	..	303·2	June 6	266·4	226·1	Jan. 20	..	*271·0*	+ 1·6	589	+158
253	Doudinka	69 23	86 4	20·0	1009·6	1012·2	+ 0·6	..	298·7	July 9	..	221·0	Jan. 23	..	*264·3*	+ 1·8	268	+ 29
254	Touroukhansk	65 47	87 57	45·0	..	..	..	..	301·6	July 20	..	218·6	Jan. 26	..	..	..	..	..
261	Viliouisk	63 45	121 35	120	..	..	..	..	301·6	July 27	258·4	214·1	Feb. 6	..	*264·0*	+ 0·5	252	+ 24
262	ϕIakoutsk	62 1	129 43	108	..	..	..	..	300·0	June 30	..	212·4	Feb. 10	..	..	..	..	..
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 105. ϕ Change of normals, *see* pages 105 and 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	279·4	293·6	Aug. 17	274·9	264·7	Jan. 30	277·2	..	..	1065	
302	St. Paul Island	57 15	170 10	21·3	..	1007·4	+ 0·2	276·1	286·3	June 23	272·3	253·6	Feb. 11	274·2	..	+ 0·1	769	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·1	− 1·9	..	295·2	July 12	..	263·0	Feb. 9	..	..	..	..	
304	Port Moller	55 56	160 30	5·5	..	..	..	279·0	296·9	Aug. 3	273·7	252·4	Jan. 22	276·4	..	..	488	
305	Dillingham	59 0	158 28	24·4	..	..	..	277·6	299·1	July 2	270·5	241·9	Jan. 20	274·1	..	+ 0·2	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1005·7	− 1·6	281·6	295·8	June 13	275·5	258·0	Dec. 10	278·6	..	+ 0·8	851	
										Sea Temp.								
307	55°—50° N. 150°—145° W.	††51 29	††147 38	§(299)	..	1009·8	− 0·9	..	..	280·3|+0·4	..	..	..	..	280·2	+ 0·2	..	
309	Sitka	57 3	135 19	27·4	..	1011·8	− 0·1	283·6	299·7	June 12	276·6	258·6	Dec. 15	280·1	*279·9*	+ 0·5	2420	
310	Prince Rupert	54 18	130 18	51·8	1008·5	1014·9	+ 1·5	284·6	299·7	July 25	277·2	258·0	Dec. 15	280·9	*280·9*	+ 0·7	2670	
311	Barkerville	53 2	121 35	1274	867·4	1014·4	+ 0·6	279·6	298·6	July 2	269·9	237·4	Dec. 16	274·7	*274·5*	− 0·2	1043	
312	ϕKamloops	50 41	120 29	385	973·1	1019·4	+ 0·5	287·4	311·3	July 1	276·1	243·6	Dec. 17	281·8	*281·7*	+ 0·4	343	
313	Calgary	51 2	114 2	1045	893·6	1015·4	+ 1·4	284·3	306·3	July 14, Aug. 26	269·6	230·2	Dec. 17	276·9	*276·3*	+ 0·5	623	
314	Fort Chipewyan	58 42	111 10	218	987·1	1014·6	− 0·2	275·6	304·7	July 3	264·7	228·6	Jan. 15	270·2	*270·6*	− 0·1	284	
315	Prince Albert	53 10	105 38	442	962·7	1017·1	+ 2·5	280·5	306·9	July 6	267·8	231·3	Dec. 19	274·1	*273·7*	+ 0·8	347	
316	Qu'Appelle	50 30	103 47	645	937·8	1015·7	+ 0·6	280·7	304·7	July 5, 6	268·7	236·3	Jan.16,Dec.16,27	274·7	*274·2*	+ 0·3	416	
317	Minnedosa	50 15	99 50	515	953·5	1016·6	+ 0·4	279·1	304·7	July 6	267·7	236·0	Jan. 13	273·4	*273·0*	− 0·8	506	
318	Berens River	52 18	97 23	216	..	..	..	..	301·9	July 9	263·0	232·4	Dec. 26	..	..	..	..	
318a	Port Nelson	57 0	92 51	14·9	..	..	..	..	303·6	July 3, 7	..	..	..	..	..	..	..	
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	305·2	July 7	..	233·6	Jan. 5	..	..	..	..	
321	Fort George	53 50	79 5	97·5	..	..	..	273·7	299·7	July 7, 8, 20	265·7	231·9	Feb. 3	269·7	..	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	277·2	302·2	July 9	265·7	229·7	Jan. 21	271·4	..	− 0·1	976	
324	Natashquan	50 8	61 48	6·1	..	..	..	..	298·6	Aug. 19, 24, 25	..	..	..	..	..	..	..	
										Sea Temp.								
326	Belle Isle	51 53	55 23	130	..	..	..	..	..	283·8|−0·4	..	..	..	..	283·2	..	..	
331	55°—50° N. 30°—25° W.	††52 16	††27 32	§(332–338)	..	1006·7	..	..	..	285·5|−0·4	..	..	..	..	285·2	..	..	
333	53°—48° N. 20°—15° W.	††50 18	††17 26	§(416–438)	..	1012·5	..	..	..	282·9|−0·1	..	..	..	..	..	..	..	
333a	62°—57° N. 20°—15° W.	††59 12	††17 14	§(403)	..	..	..	..	..	..	..	..	..	..	281·8	..	..	
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	..	1011·2	− 2·5	285·4	291·9	Sept. 2, Oct. 14	281·2	270·8	Mar. 2	283·3	283·4	0·0	1575	
335	Aberdeen	57 10	W 2 6	26·8	..	1009·4	− 2·0	283·7	296·3	July 11	278·6	267·4	Mar. 3	281·2	281·2	+ 0·4	858	
336	Greenwich	51 28	0 0	46·3	..	1013·9	− 1·2	287·3	304·7	July 12	279·3	266·9	Feb. 15	283·3	282·8	+ 0·1	778	
337	Uccle	50 48	E 4 22	100	1002·8	1015·0	− 0·7	287·2	304·6	July 12	278·6	264·1	Feb. 18	282·9	282·1	+ 0·2	850	
338	De Bilt	52 6	5 11	3·0	1014·1	1014·5	− 0·6	285·7	303·4	July 13	277·9	256·4	Jan. 1	281·8	281·6	− 0·4	779	
338a	Hamburg	53 33	9 58	40·3	1009·9	1014·8	+ 0·3	284·6	304·3	July 13	279·0	260·5	Jan. 16	281·8	*281·1*	− 0·5	703	
339	‡Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1013·5	1014·1	+ 0·4	283·4	299·5	June 21	277·4	259·9	Jan. 6	280·4	*280·3*	+ 0·4	398	
340	Potsdam	52 23	13 4	84·9	1005·5	1015·9	+ 0·6	285·5	305·4	July 13	277·1	258·8	Jan. 16	281·3	280·9	− 0·4	491	
340a	Uppsala	59 51	17 38	24	1009·3	1012·2	+ 0·1	282·1	302·2	Aug. 14	274·2	247·5	Jan. 23	278·2	278·2	+ 0·3	574	
341	Warsaw	52 13	21 3	89·9	1005·8	1016·8	+ 0·3	284·2	304·5	June 22	276·0	250·4	Feb. 20	280·1	*279·9*	..	516	
342	Tartu (Ülikooli)	58 23	26 43	74·5	1005·4	1014·6	+ 1·1	281·7	302·6	Aug. 19	274·6	246·8	Jan. 25	278·1	277·9	+ 0·4	588	
343	Leningrad	59 56	30 16	4·8	1013·5	1014·1	+ 0·8	280·7	300·9	Aug. 16	274·4	244·1	Jan. 26	277·6	*277·6*	+ 0·6	615	
344	Kiiv	50 27	30 30	183	996·5	1019·0	+ 2·6	284·1	307·8	June 17	275·9	248·7	Jan. 24	280·0	*279·6*	− 0·3	597	
344a	Moscow	55 50	37 33	167	997·4	1018·1	+ 2·0	280·9	305·8	June 14	272·4	237·1	Jan. 27	276·6	*276·6*	0·0	447	
345	Saratov	51 33	45 57	122	1004·4	1019·6	+ 2·0	282·6	311·4	June 15	273·4	245·1	Dec. 25	278·0	*278·0*	+ 0·9	335	
346	Kazan	55 47	49 8	79·9	1009·0	1019·0	+ 1·8	281·7	307·7	June 12	273·0	242·4	Dec. 24	277·4	*277·0*	+ 0·7	339	
347	Orenburg	51 45	55 6	109	1006·3	1019·9	+ 0·2	282·7	311·1	July 10	271·8	241·7	Dec. 25	277·2	*277·3*	+ 0·6	241	
348	Perm	58 1	56 16	163	997·2	1017·6	+ 1·1	279·2	302·7	June 12	270·7	235·5	Jan. 21, Dec. 24	275·0	*274·7*	+ 0·5	685	
349	Sverdlovsk	56 50	60 38	281	982·2	1017·0	+ 0·8	279·0	305·1	June 8	270·4	235·9	Jan. 27	274·7	*274·5*	+ 0·7	416	
350	ϕTobolsk	58 12	68 14	108	1003·1	1016·7	+ 0·2	278·5	306·0	June 6	269·7	232·6	Jan. 27	274·1	*273·9*	+ 1·0	438	
351	Akmolinsk	51 12	71 23	347	..	..	..	280·1	310·1	July 12	268·7	238·1	Jan. 29	274·4	*274·5*	+ 0·1	318	
352	Omsk	55 1	73 19	108	1004·4	1018·0	− 0·3	..	307·5	July 12, 17	..	233·5	Jan. 22	..	*273·8*	+ 0·7	213	
353	Barnaoul	53 20	83 48	162	1000·4	1020·7	+ 0·2	279·4	307·1	July 20	269·1	233·0	Jan. 23	274·2	*274·5*	+ 0·7	453	
354	Tomsk	56 30	84 58	122	1002·7	1018·1	− 0·5	..	302·9	July 2	268·7	234·2	Jan. 23	..	*273·1*	+ 1·0	502	
355	Minousinsk	53 43	91 41	248	990·0	1021·1	+ 0·2	..	306·8	July 2	268·4	235·8	Feb. 12	..	*274·3*	+ 0·9	271	
356	Eniseisk	58 27	92 10	77·6	1007·6	1017·5	− 0·2	..	302·5	July 18	265·8	224·5	Jan. 23	..	*271·5*	+ 0·2	469	
357	Irkutsk	52 16	104 19	467	962·7	1020·8	− 0·1	278·1	305·5	July 15	265·6	232·2	Jan. 24	271·9	*271·9*	+ 0·2	412	
358	ϕKirensk	57 47	108 7	278	983·5	1018·6	− 0·1	..	303·4	June 17	265·3	223·5	Jan. 25	..	*270·3*	+ 1·0	519	
359	ϕTchita	52 2	113 30	674	..	..	..	..	..	..	263·7	230·6	Jan. 26	..	*269·9*	− 0·1	344	
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	
361	Tygan Ourkan	54 5	124 46	379	..	..	..	..	..	..	..	..	..	..	..	..	..	
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	995·8	1013·6	− 1·0	278·2	308·0	June 19	267·2	233·9	Feb. 11	272·7	*272·4*	− 0·6	465	
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	
368	Petropavlovsk (Phare)	52 53	158 43	87·1	‡1005·9	‡1007·6	− 0·1	..	..	..	271·1	249·3	Feb. 15	..	*273·2*	0·0	699	
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" pages 106 and 107.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 106 and 107.

	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1009·0	1017·6	+ 0·9	286·2	306·4	July 24	279·5	261·9	Dec. 16	282·8	282·3	+ 0·1	702	− 68
412	Portland, Oregon	45 32	122 41	46·6	1013·5	1018·9	+ 1·2	289·6	310·2	July 24	280·6	261·3	Dec. 18	285·1	*284·7*	+ 0·7	793	−312
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	284·3	308·0	July 3	271·5	228·0	Dec. 17	277·9	*278·0*	− 0·2	407	+ 53
414a	Salt Lake City	46 34	112 4	1253	873·8	1017·2	+ 0·5	285·3	308·6	July 3, Aug. 28	273·4	238·6	Dec. 18	279·3	*279·2*	− 0·1	226	−113
415	Cheyenne	40 46	111 54	1329	867·9	1016·2	+ 0·4	289·0	309·1	Sept. 4	278·6	250·8	Dec. 26	283·8	*284·0*	− 0·2	350	− 66
416	North Platte	41 8	104 48	1856	812·4	1015·8	0·0	285·7	305·8	Aug. 2	272·7	246·3	Dec. 19	279·2	*279·6*	− 0·8	427	+ 71
416a	Bismarck	41 8	100 45	860	917·6	1017·8	+ 0·7	288·7	310·8	Aug. 18	274·8	243·0	Dec. 19	281·7	*281·4*	− 0·5	333	−137
417	Winnipeg	46 47	100 38	510	956·4	1018·0	+ 1·1	284·1	308·6	Aug. 28	271·6	239·1	Jan. 5, Dec. 27,	277·8	*277·7*	0·0	424	− 9
418	Duluth	46 47	92 6	345	974·2	1016·5	+ 0·2	280·6	304·7	Aug. 26	270·7	238·0	Jan. 5	275·6	*275·2*	− 1·0	715	− 17
419	Port Arthur	48 27	89 12	196	991·7	1016·1	− 0·1	279·5	304·7	July 11	270·4	238·6	Jan. 5	274·9	*274·7*	0·0	562	− 27
420	Chicago	41 53	87 37	251	987·0	1017·4	+ 0·3	285·7	307·4	June 19	278·2	246·3	Jan. 5	281·9	*282·0*	− 1·2	888	+ 49
421	Toronto	43 40	79 24	116	1002·1	1016·4	− 0·2	284·5	304·3	July 23, Aug. 31	275·3	252·1	Jan. 26	279·9	280·0	− 0·4	860	+ 65
422	ϕNew York (Central Park)	40 47	73 58	47·4	1011·0	1016·8	− 0·3	288·5	310·2	Aug. 7	279·6	258·0	Jan. 22, 27	284·0	283·8	− 0·6	1060	− 48
423	St. John, N.B.	45 17	66 4	36·2	1008·7	1013·2	− 1·5	282·1	301·5	July 7	273·7	244·7	Jan. 27	277·9	277·8	− 0·2	992	−228
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·5	1011·6	− 0·2	277·9	294·9	July 9	272·4	247·4	Jan. 22	275·1	*275·3*	+ 0·5	759	− 30
424a	Sable Island (Main Station)	43 57	60 6	7·6	1012·8	1013·7	− 1·3	281·9	295·8	Aug. 13, 14	277·4	258·0	Jan. 28	279·6	*279·6*	− 0·4	1330	+ 27
425	Port aux Basques	47 35	59 10	9·1	1010·1	1011·2	− 1·6	280·2	294·7	Aug. 25	274·3	254·9	Jan. 22, 28	277·3	*277·2*	+ 0·9	1252	−128
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
																Sea Temp.		
430	50°—45° N. 35°—30° W.	††47 37	††32 28	§(315–334)	..	1013·8	..	..	..	286·9|−0·4	..	..	..	..	..	..	..	..
435	Madrid																	
436	Nantes	40 24	3 41	667	939·8	1017·0	− 0·6	292·1	309·3	Aug. 6	281·5	269·2	Feb. 8	286·8	*286·2*	+ 0·6	392	− 34
437	Paris (Parc St. Maur)	47 15	W 1 34	36·5	1010·9	1015·5	− 1·3	288·3	306·1	July 12	280·3	269·5	Feb. 15	284·3	284·1	0·0	809	+ 23
438	Marseille	48 49	E 2 29	50·3	1010·0	1016·4	− 0·3	287·6	304·4	July 12	279·2	266·5	Feb. 16	283·4	283·3	+ 0·1	656	+ 94
438a	Zürich	43 18	5 23	75	..	1014·6	− 0·4	292·8	306·7	July 8	282·2	269·0	Feb. 2	287·5	*286·9*	− 0·2	688	+113
439	Rome	47 23	8 33	493	959·2	1018·0	+ 0·3	286·1	305·5	July 4	277·6	262·4	Feb. 24	281·9	281·2	− 0·4	984	−125
440	Vienna	41 54	12 27	45·5	1009·1	1014·4	− 0·8	293·9	308·6	July 5	284·3	271·0	Dec. 26	289·1	*288·9*	+ 0·5	777	− 54
440a	Budapest	48 15	16 22	203	992·8	1017·5	+ 0·9	284·7	301·4	July 22	278·4	262·7	Jan. 1	281·5	281·5	− 1·1	537	−111
441	Sofia	47 31	19 1	130	1001·3	1017·2	+ 0·6	287·7	307·1	July 5	279·1	259·9	Jan. 25	283·4	283·0	+ 0·1	660	+ 22
442	Bucharest	42 42	23 20	550	952·4	1017·4	0·0	287·5	310·2	Aug. 24	278·2	247·7	Jan. 3	282·9	282·6	− 0·4	658	+ 13
443	Odessa (Observatory)	44 25	26 6	82	1007·5	1017·5	+ 0·7	289·0	311·6	July 7	278·8	248·4	Jan. 3	283·9	283·5	− 0·1	619	+ 30
444	ϕKharkiv (University)	46 26	30 46	42·8	1012·3	1017·6	+ 0·5	..	..	..	279·2	250·5	Jan. 25	..	*282·2*	− 0·7	256	−138
444a	Novorossiisk	50 0	36 14	140	1002·6	1019·8	+ 1·9	284·3	311·5	June 16	274·3	246·4	Jan. 24	279·3	*279·3*	− 0·9	368	−148
445	Tiflis	44 44	37 49	37·1	1011·6	1016·1	0·0	289·9	305·5	June 19, Aug. 7, 21	281·6	250·2	Dec. 26	285·8	*285·6*	0·0	564	−133
446	Astrakhan	41 43	44 48	404	969·5	1016·8	− 0·7	291·5	310·2	Aug. 1	281·8	256·8	Dec. 28	286·7	286·4	+ 1·0	417	− 84
447	Fort Alexandrovsk	46 21	48 2	−20	1021·6	1019·2	+ 0·7	286·6	309·5	July 7, 11	278·1	243·9	Dec. 26	282·3	*282·1*	− 0·1	98	− 58
448	ϕKrasnovodsk	44 31	50 7	−23·0	1020·7	1017·9	+ 0·5	288·3	310·5	June 4	281·1	257·4	Dec. 27	284·7	*284·4*	+ 0·4	94	− 50
449	Kasalinsk	40 0	52 59	− 4·6	1017·0	1016·4	− 0·1	292·7	313·0	July 11	285·4	265·1	Dec. 28	289·0	*288·6*	− 0·1	148	+ 9
450	Tashkent	45 46	62 7	66·7	1011·4	1019·6	+ 1·1	..	..	..	..	248·4	Feb. 17	..	*281·3*	+ 1·0	123	+ 8
451	Narynskoe	41 26	76 2	2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	920·4	1018·1	− 0·8	287·5	310·2	July 25	276·9	246·1	Jan. 29	282·2	*281·9*	+ 1·2	371	+ 99
461	ϕMoukden	41 48	123 23	43·8	1010·9	1016·3	− 0·2	286·7	308·5	Aug. 7, 8	274·7	247·4	Jan. 27	280·7	280·3	+ 0·3	564	− 7
462	ϕJoshin	40 40	129 11	31·9	1011·2	1015·1	+ 0·3	285·5	306·3	July 8	276·9	255·2	Feb. 23	281·2	280·9	0·0	607	− 52
463	ϕYuki	42 20	130 24	65·6	1007·3	1015·4	+ 0·4	283·6	306·2	July 31	275·1	254·3	Jan. 8	279·3	279·1	− 0·1	464	−229
464	Vladivostok	43 7	131 54	128	999·5	1015·4	− 0·4	281·0	305·5	July 31	273·8	246·1	Feb. 12	277·4	*277·0*	− 0·7	519	−170
465	ϕOshiai	43 20	145 35	26·7	1008·5	1011·8	− 0·8	282·3	304·8	July 21	274·6	254·1	Mar. 8	278·5	278·5	0·0	470	−100
466	Nemuro	43 20	145 35	26·7	1008·5	1011·8	− 0·8	282·3	304·8	July 21	274·6	254·1	Mar. 8	278·5	278·5	0·0	855	−104
466a	Syana	45 14	147 53	39·3	1006·0	1010·9	− 0·9	280·7	301·8	July 22	273·0	248·5	Mar. 2	276·9	277·0	− 0·3	1104	+ 67
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.					°A.	°A.	°A.	mm.	mm.

Between Latitude 40° N. and 30° N. — YEAR—ZONE 5 (Western Half.)

508	35°—30° N. 145°—140° W.	††31 58	††142 6	§(252)	..	1022·1	− 1·1	..	..	Sea Temp. 292·5|+0·6	..	..	..	..	..	..	..	..
511	San Francisco	37 48	122 26	47·2	1011·5	1017·2	+ 0·3	290·4	304·1	May 28, Sept. 11	283·2	275·2	Dec. 18	286·8	*286·0*	+ 1·0	513	− 54
512	San Luis Obispo	35 18	120 39	61·3	1009·8	1017·2	+ 0·3	294·7	310·2	Sept. 28	281·1	271·9	Jan. 24, Dec. 26	287·9	*286·6*	+ 0·6	259	−280
513	San Diego	32 43	117 10	26·5	1012·3	1015·3	+ 0·2	292·9	304·1	Sept. 29	285·4	275·2	Dec. 25	289·2	*288·7*	+ 0·3	145	− 96
514	Modena	37 48	113 54	1670	834·0	1015·7	+ 0·4	290·5	310·8	June 30	272·1	243·0	Dec. 25	281·3	*281·1*	− 0·4	190	− 98
515	Santa Fé	35 41	105 57	2138	787·4	1013·9	− 0·1	288·9	306·3	June 26	275·3	252·4	Dec. 25	282·1	*282·1*	− 0·1	227	−145
516	Denver	39 45	105 0	1613	837·1	1015·8	+ 0·2	289·2	309·7	Aug. 2	276·0	246·9	Dec. 24	282·6	*282·6*	− 0·3	283	− 79
517	Abilene	32 23	99 40	530	955·1	1016·2	+ 0·3	296·8	315·2	June 15	283·7	258·0	Dec. 19	290·3	*289·5*	− 0·3	514	− 98
518	Saint Louis	38 38	90 12	173	996·7	1017·3	+ 0·1	290·2	308·0	Aug. 27	280·8	249·1	Jan. 5	285·5	*285·4*	− 0·8	928	− 80
519	Mobile	30 41	88 2	17·4	1015·8	1017·9	+ 0·2	297·1	310·8	July 23, Aug. 24	287·5	263·0	Jan. 6	292·3	*291·9*	+ 0·1	1230	−357
520	Nashville	36 10	86 47	166	999·0	1018·9	+ 0·5	292·6	308·6	Aug. 22	281·9	254·7	Jan. 6	287·2	*287·4*	− 1·0	956	−249
521	Charleston	32 47	79 56	14·6	1016·1	1017·8	− 0·4	295·6	311·3	June 21	287·6	264·7	Jan. 6	291·6	*291·6*	0·0	1295	+ 66
522	Washington	38 54	77 3	34·1	1013·3	1017·5	− 0·4	290·3	311·9	Aug. 6	280·3	258·6	Jan. 22	285·3	*285·2*	− 0·4	1246	+172
524	Bermuda	32 17	64 46	46·0	1013·2	1018·6	+ 0·4	296·8	305·0	Aug. 30, 31, Sept. 1	290·9	283·0	Mar. 17	293·9	*293·7*	− 0·8	1441	− 18
530	Santa Cruz (Flores)	39 27	31 9	40	1014·8	1019·8	− 2·2	292·9	301·5	Aug. 30	288·2	278·8	Apr. 3	290·5	*290·6*	0·0	1568	− 18
531	Horta	38 32	28 38	65	1012·4	1020·2	− 1·4	293·1	302·3	Aug. 19	287·8	280·0	Jan. 20	290·5	290·2	− 0·4	1061	− 29
532	Ponta Delgada	37 44	25 40	22	1017·6	1020·2	− 1·2	292·2	299·0	Aug. 2	288·3	282·2	Jan. 21, Feb. 5	290·3	290·0	0·0	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	1089	− 55
533	Madeira (Funchal)	32 38	16 55	25	‡1017·1	‡1020·1	+ 0·3	294·0	301·1	July 15	289·0	281·5	Feb. 17	291·5	*291·5*	+ 0·3	924	+235
535	Lisbon	38 43	9 9	95	1005·7	1017·0	− 0·5	292·5	308·2	July 25	286·0	276·1	Dec. 30	289·2	288·9	+ 0·2	718	− 26
535a	Melilla	35 17	2 59	40	1013·1	1017·8	+ 0·9	295·4	309·5	Aug. 19	287·4	276·0	Jan. 6, Feb. 29	291·4	*292·1*	− 0·6	471	−105
536	Gibraltar	36 6	5 21	16·2	..	1017·0	− 1·0	294·3	305·8	July 17, Aug. 19	287·5	276·3	Feb. 28	290·9	*290·5*	0·0	1117	+208
536a	Colomb-Béchar	31 36	2 4	769	927·7	1013·5	..	300·2	314·9	Aug. 20	286·8	271·5	Jan. 29	293·5	*292·9*	..	46	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 107 and 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1012·7	1015·4	− 1·9	294·3	309·4	July 4	284·9	273·0	Mar. 1	289·6	..	− 0·8	434	− 4
538	Algiers (Bouzaréah)	36 47	3 2	344	975·6	1015·7	− 0·9	292·9	310·2	May 5	286·9	273·3	Feb. 28	289·9	*289·6*	+ 0·7	605	..
538*a*	Gadames	30 9	9 30	351	..	..	..	..	..	..	..	..	..	..	..	..	..	..
539	Tunis	36 48	10 10	21	1011·9	1014·4	..	296·5	317·1	Sept. 8	286·9	275·2	Feb. 26	291·7	*291·2*	+ 0·9	447	+ 78
539*a*	Malta	35 54	14 31	56·4	..	1015·1	+ 0·1	295·0	311·8	Sept. 10	289·5	277·4	Jan. 25	292·2	*291·5*	+ 0·3	577	..
540	Riposto	37 41	15 14	14·2	..	1017·0	0·0	294·2	307·2	Sept. 8	287·7	276·0	Jan. 3	290·9	*290·4*	− 0·3	831	..
541	Athens	37 58	23 43	107	1001·8	1014·4	− 0·5	295·0	312·6	Aug. 25	287·2	267·5	Jan. 26	291·1	290·7	+ 0·4	368	..
542	Alexandria	31 12	29 53	32·0	1010·1	1013·9	− 0·7	299·0	313·3	Apr. 2	290·8	†280·4	Jan. 29	294·9	*294·2*	+ 0·9	270	..
543	Nicosia (P.W.D.)	35 9	33 22	159	993·1	1011·4	− 1·3	298·5	314·7	Aug. 24, 25	286·0	271·9	Dec. 28	292·2	..	+ 0·5	505	..
544	Beirut	33 54	35 28	33·7	..	1012·3	− 1·4	297·0	306·4	Apr. 10	290·5	278·1	Dec. 28	293·8	*293·6*	+ 0·3	938	..
545	Hinaidi	33 17	44 29	32·3	..	1010·6	− 1·5	303·3	322·4	July 13	287·9	268·6	Dec. 28, 29	295·6	*295·9*	..	149	..
546	Lenkoran	38 46	48 52	−20·0	1019·1	1016·7	− 0·4	..	306·5	Aug. 12	283·8	259·4	Dec. 30	..	*287·3*	− 0·2	1394	..
547	Tehran	35 41	51 25	1220	..	..	..	294·4	312·7	Aug. 14	283·7	262·5	Dec. 30	289·1	*288·9*	− 0·4	380	..
548	Meshed	36 16	59 35	946	879·7	..	..	293·7	310·2	June24, July16	277·8	261·6	Jan. 18	285·8	..	− 0·5	394	..
549	Seistan	31 0	61 30	610	..	..	..	300·5	315·9	Aug. 7	286·6	269·7	Jan. 21	293·6	..	..	105	..
550	Quetta	30 11	67 3	1677	832·6	..	− 0·1	296·1	310·4	July 26	279·6	265·2	Dec. 11	287·8	*287·6*	− 0·1	279	..
551	Peshawar	34 2	71 37	339	971·5	1010·6	− 0·2	302·2	319·8	June 26	288·2	273·1	Jan. 14, 22	295·2	*294·6*	− 0·2	423	..
551*a*	Lahore	31 34	74 20	214	984·3	1008·9	− 0·1	303·8	319·2	June 17	290·3	275·4	Jan. 3	297·1	*296·5*	− 0·2	583	..
552	Simla	31 7	77 8	2204	780·9	..	+ 0·3	289·1	301·4	June 18	283·3	270·7	Jan. 21	286·2	*286·0*	− 0·1	1841	..
552*a*	Leh	34 10	77 42	3503	666·5	..	+ 0·3	285·4	302·1	July 26	271·8	252·2	Jan. 25	278·6	*277·7*	− 0·3	88	..
559	ϕHankow	30 35	114 17	37·0	1012·3	1016·7	− 0·3	294·5	309·1	July 25, Aug. 9	286·2	269·8	Jan. 1, Dec. 10	290·3	*290·0*	+ 0·3	953	..
560	ϕTientsin	39 10	117 10	5·0	1016·5	1017·1	− 0·2	290·9	313·0	June 27	280·8	259·4	Jan. 27	285·9	*285·5*	+ 0·4	585	..
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1016·5	+ 0·1	293·8	309·8	Aug. 21	284·3	265·7	Dec. 10	289·1	288·1	0·0	987	..
562	ϕJinsen (Chemulpho)	37 29	126 37	67·6	1008·5	1016·8	+ 0·5	288·5	309·5	Aug. 14	280·0	257·4	Jan. 27	284·3	283·8	+ 0·1	826	..
562*a*	Nagasaki	32 44	129 52	133	999·6	1015·4	0·0	292·3	306·3	Aug. 14	284·6	270·2	Feb. 24	288·5	288·2	− 0·5	1729	..
563	Kyoto	35 1	135 44	42·9	1010·1	1015·3	+ 0·6	293·1	310·5	Aug. 13	281·9	267·3	Jan. 27	287·5	286·8	+ 0·1	983	..
564	Tokyo	35 41	139 46	5·8	1013·5	1014·2	+ 0·1	291·9	309·1	Aug. 23	282·6	267·9	Feb. 17	287·3	287·0	+ 0·2	1475	..
565	Kanayama	37 53	140 46	24·6	1011·2	1014·2	+ 0·1	290·0	308·6	July 29	279·4	263·4	Jan. 19, Mar. 18	284·7	284·3	0·0	1108	..
566	Miyako	39 38	141 59	30·4	1009·5	1013·2	− 0·4	289·5	309·5	July 21	278·5	262·8	Feb. 24	284·0	283·2	+ 0·2	946	..
		N.	E.															

YEAR—ZONE 6. Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·9	+ 0·2	298·9	305·8	Aug. 20	290·7	282·4	Feb. 22	294·8	*294·3*	..	1027	..
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	+ 0·6	299·3	302·4	Aug., Nov.	294·1	288·6	Jan.	296·7	*296·5*	0·0	669	..
614	La Paz	24 10	110 20	12	1010·6	1012·0	..	300·9	309·8	Aug. 18	290·8	281·0	Jan. 18	295·8	*295·2*	..	66	..
615	Chihuahua	28 38	106 4	1423	859·3	1012·0	..	297·6	309·0	June 17	282·4	266·0	Feb. 26	290·0	*291·5*	− 0·4	266	..
616	Leon	21 7	101 41	1809	823·2	1012·5	+ 1·4	299·9	307·0	Apr. 17, May 24	282·5	273·2	Feb. 6	291·2	*291·6*	0·0	427	..
616*a*	Monterry	25 40	100 18	528	954·6	1014·4	+ 0·9	299·6	312·7	May 24	289·0	270·0	Dec. 21	294·3	*293·6*	− 0·9	642	..
617	Tulancingo	20 5	98 22	2181	790·5	1011·6	..	295·6	305·9	Apr. 16	281·9	273·2	Jan. 7	288·7	*287·5*	− 0·8	543	..
618	Galveston	29 18	94 50	16·5	1015·7	1017·8	+ 0·7	296·4	310·8	Aug. 25	290·8	269·7	Jan. 6	293·6	*293·3*	− 0·2	695	..
618*a*	New Orleans	29 57	90 4	16·2	..	1017·6	+ 0·5	298·2	310·8	July 24, Aug. 25	289·3	265·8	Jan. 6	293·8	*293·4*	+ 0·1	1061	..
619	Merida, Yuc	20 58	89 38	22	..	..	..	..	..	..	..	..	Feb. 25	287·0	..	..	..	..
620	Havana	23 8	82 21	24·3	..	1016·2	0·0	302·3	307·8	June 3	294·9	285·4	Feb. 10	298·6	*298·1*	+ 0·6	1571	..
620*a*	Key West	24 33	81 48	6·7	1015·4	1016·1	− 0·4	300·9	306·9	Aug. 12	295·4	285·8	Mar. 13	298·2	*297·7*	+ 0·3	873	..
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	301·7	..	..	295·7	..	..	298·7	*298·7*	+ 0·6	959	..
622	Watling Island	24 6	74 26	33·5	..	1016·0	− 0·2	..	305	June, July, Sept.	..	290	Mar. 11	..	*298·6*	..	..	..
633	Port Etienne	20 56	17 3	4	..	..	..	300·5	312·5	Sept. 23, Nov. 1	290·0	282·5	Jan. 4	295·3	*293·7*	..	20	..
634*m*	Izaña	28 19	16 30	2367	770·0	..	..	286·3	301·7	July 28	277·5	266·2	Feb. 3	281·9	*281·8*	0·0	834	..
634	La Laguna	28 28	16 20	547	954·1	1017·3	0·0	293·6	307·3	May 3	285·2	276·6	Feb. 1	289·4	*288·8*	− 0·2	828	..
636	Adrar	27 36	W 0 4	168	..	..	..	308·4	324·9	Aug. 5	288·1	271·9	Dec. 25	298·3	*300·4*	..	..	..
638	Laperrine	22 36	E 5 26	1380	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	−23	1016·3	1013·6	..	..	317·0	July 13	..	271·0	Jan.	..	..	..	7	..
643	Cairo (Helwan)	29 52	31 20	116	999·8	1013·2	− 0·6	301·3	315·9	June 26	288·6	276·0	Jan. 29	294·9	*294·8*	+ 0·6	45	..
643*a*	Aswan	24 2	32 53	99·6	999·7	1011·1	− 0·6	307·9	322·0	Aug. 25	291·1	277·8	Dec. 29	299·5	*299·2*	+ 1·0	..	..
644	Tor	28 14	33 37	1·9	1010·9	1011·1	− 0·5	301·3	315·6	July 14	290·6	277·6	Jan. 30	296·0	*295·6*	+ 0·9	17	..
647	Bushire	28 59	50 53	4·3	1008·6	1009·2	− 1·0	301·4	312·7	July 15	294·0	276·2	Dec. 30	297·7	*297·1*	+ 0·7	599	..
648	Jask	25 44	57 47	4·0	1008·8	1009·2	− 0·5	305·2	316·6	June 4	296·7	283·6	Dec. 31	300·9	*300·3*	+ 1·2	113	..
649	Karachi	24 53	66 57	4·0	1009·1	1009·6	− 0·2	302·4	313·9	May 29	294·9	283·4	Jan. 23	298·7	*298·1*	+ 0·3	79	..
650	Jacobabad	28 17	68 29	56·7	1002·5	1008·9	+ 0·4	307·8	322·7	June 17	292·3	276·2	Feb. 9	300·1	*299·5*	+ 0·1	54	..
651	Jaipur	26 56	75 52	436	960·9	1008·2	+ 0·1	304·8	317·7	June 17, 18	291·6	276·0	Jan. 22	298·2	*297·3*	− 0·8	1284	..
652	Nagpur	21 8	79 5	310	974·8	1009·5	0·0	306·4	318·8	June 9	294·4	283·3	Dec. 7	300·4	*299·9*	+ 0·5	950	..
653	Allahabad	25 25	81 51	94·2	998·4	1009·2	+ 0·3	305·9	320·3	June 12	292·9	278·0	Feb. 16	299·4	*298·7*	+ 0·6	993	..
653*a*	Darjeeling	27 3	88 18	2265	775·8	..	+ 0·1	287·8	296·2	June 6	282·5	273·3	Feb. 15	285·1	*284·9*	+ 0·4	3211	..
654	Calcutta	22 36	88 23	6·4	1008·3	1008·8	− 0·3	304·7	317·1	June 1	295·6	283·9	Dec. 23	300·1	*299·8*	+ 1·3	1297	..
655	Gauhati	26 8	91 41	59·7	1003·2	1010·0	− 0·7	302·6	311·1	Apr. 5, 7	292·5	280·0	Feb. 16	297·5	296·7	+ 0·4	1645	..
655*m*	Cherrapunji	25 15	91 42	1313	867·9	..	− 0·1	293·8	300·2	June 6	287·8	279·3	Jan. 17	290·8	*290·2*	+ 0·6	11850	..
655*a*	Akyab	20 11	92 56	6·1	1008·8	1009·6	− 0·5	302·8	309·2	Apr. 20	295·2	285·4	Feb. 18	299·0	*298·8*	0·0	6917	..
656	Mandalay	21 59	96 0	76·2	1001·6	1010·2	− 0·1	307·3	317·1	May 19	295·3	284·7	Dec. 30	301·3	*300·7*	+ 0·5	470	..
656*a*	Tengyueh	25 2	98 33	1626	..	..	..	294·3	300·8	July 26, 27	283·1	271·3	Jan. 15	288·7	*288·0*	+ 0·3	1759	..
657	Phu Lien	20 48	106 38	116	997·6	1010·9	− 0·3	300·3	309·3	May 4	293·5	282·8	Jan. 1	296·9	296·2	+ 0·3	1547	..
658	Moncay	21 31	107 51	9·0	1010·3	1011·3	− 0·3	299·9	310·1	Sept. 9	292·7	280·1	Nov. 26	296·3	*296·2*	+ 0·3	3051	..
659	Hongkong	22 18	114 10	33·2	..	1012·1	− 0·5	297·9	307·0	Sept. 7	293·4	281·6	Jan. 1	295·7	295·3	+ 0·2	2505	..
661	ϕTaihoku, Formosa	25 2	121 31	9·3	1012·6	1013·7	+ 0·1	298·9	308·3	May 8	291·4	277·4	Dec. 11	295·1	294·6	0·0	2607	..
661*a*	Basco	20 28	121 59	18·7	..	1010·0	− 0·2	..	..	..	296·1	290·0	Feb. 15	..	*298·4*	− 0·3	2182	..
662	Naha	26 13	127 41	8·2	..	..	..	..	..	..	..	279·6	Feb. 26	..	..	..	..	..
665	ϕTitizima (Bonin Islands)	27 5	142 11	4·0	1013·9	1014·4	+ 0·2	298·3	304·5	Aug. 30, Sept. 22	292·9	282·0	Mar. 9	295·6	295·4	− 0·1	1790	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
ϕ Change of normals, *see* pages 109 and 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	498	..	..	..	..	309·8	Apr. 14, June 11	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 7	1923	..	..	..	..	302·6	Apr. 17	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·0	..	− 0·2	296·5	304·3	Apr. 16	280·9	272·0	Jan. 7	288·7	287·9	0·0	714	+ 78
718	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	San Salvador	13 42	89 12	682	937·4	1013·1	+ 0·8	304·3	309·0	Apr. 9	290·5	285·4	Dec. 14	297·4	*295·7*	− 0·5	2050	+246
720	Belize	17 29	88 12	5·2	1012·7	1013·3	− 0·6	302·3	306·1	Aug. 23, Sept. 4	295·4	286·9	Nov. 18	298·8	*298·3*	− 0·6	1499	−204
721	ϕJamaica (Negril Pt.)	18 15	78 23	10·1	..	1013·5	+ 0·2	303·4	306·4	May 3	295·1	290·7	Mar. 14	299·3	*299·0*	+ 0·5	1447	+ 63
722	Port au Prince	18 33	72 20	37·4	1010·2	1014·5	0·0	304·9	309·6	July 3, 16	294·9	290·5	Mar. 13	299·9	*299·5*	+ 0·3	1378	+ 7
723*a*	Caracas	10 30	66 56	1042	899·7	1014·1	+ 0·7	298·8	304·8	Apr. 17	288·0	282·4	Jan. 30, Dec. 14	293·4	*292·3*	− 0·3	1059	+252
724	Montserrat	16 41	62 9	39·6	..	?1014·7	− 0·3	?302·5	?306·3	Apr. 21	?296·0	290·8	Feb. 2	?299·3	?*298·8*	− 0·1	1748	+150
724*a*	San Juan, Porto Rico	18 29	66 7	25·0	1012·6	1015·5	− 0·1	301·3	306·3	Oct. 22	295·8	291·3	Feb. 9	298·5	*298·2*	0·0	1720	+ 81
725	Grenada (Richmond Hill)	12 5	61 46	155	‡995·2	‡1013·1	+ 0·3	302·0	304·7	4 months	296·2	293·0	Feb. 22	299·1	*298·6*	+ 0·1	2043	+136
731	ϕBarbados	13 8	59 36	55·2	..	1013·7	− 0·1	302·1	304·7	May 20, 23, June 6	..	..	..	..	*298·3*	− 0·1	1316	− 77
732	ϕSão Vicente, C. Verde Is.	16 54	25 4	11	1012·4	1013·7	− 0·5	298·8	303·2	Sept. 11	292·8	289·0	Jan. 26, 28, 30, Feb. 2, 3, 4.	295·8	*296·7*	+ 0·2	78	− 70
733	ϕSan Tiago, C. Verde Is.	14 54	23 31	34	..	..	..	300·1	305·6	Mar. 27	295·3	291·0	Feb. 2	297·7	*297·7*	+ 0·2	153	−108
734	Dakar	14 40	17 26	32	1008·8	1012·5	..	302·4	312·9	Mar. 22	294·0	286·0	Feb. 21	298·2	*297·4*	+ 0·2	526	+ 1
734*a*	Bathurst	13 27	16 34	1·8	1013·9	1014·1	+ 0·7	303·1	313·6	Mar. 23	293·6	283·0	Dec. 31	298·3	*298·3*	− 0·1	1435	+226
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	316·3	Apr.	..	285·2	Dec.	..	..	..	1194	+252
736	Niénébalé	12 57	7 26	300	..	..	..	307·0	315·2	Apr. 7, 15	..	280·9	Dec. 5	..	*299·2*	..	1095	..
737	Timbuktu	16 43	W 3 2	270	..	..	..	..	319·2	May 20	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	309·4	316·9	Mar., Apr., May	..	282·4	Jan. 13	..	‡*301·4*	+ 0·8	836	+155
739	ϕKaduna Capital	10 32	7 25	637	944·5	1015·7	+ 0·4	304·7	310·8	Mar., May, Dec.	..	..	..	..	‡*297·9*	+ 0·8	1384	+ 23
740	Hadejia	12 40	10 5	?	..	..	..	309·2	318·6	Apr. 10	..	..	..	..	‡*301·4*	+ 0·5	532	+ 13
741	Maiduguri	11 47	13 11	361	..	..	..	309·3	319·1	Apr. 10, 11	293·6	283·6	Jan. 10, 24	301·4	*300·9*	+ 0·2	871	+274
743	El Fasher	13 32	25 18	730	..	..	..	308·1	317·4	Aug. 6	290·2	278·5	Jan. 6, 7, 8	299·2	*298·2*	..	483	..
743*a*	El Obeid	13 11	30 14	569	946·1	1009·1	− 0·6	..	..	..	292·4	280·4	Feb. 7, Dec. 28	..	*299·6*	+ 1·2	476	+120
744	Khartoum	15 37	32 33	390	965·1	1008·2	− 0·9	309·9	317·8	May 19	295·1	281·7	Feb. 7	302·5	*302·4*	+ 0·2	158	+ 5
745	Port Sudan	19 37	37 13	5·5	1008·6	1009·3	− 0·7	306·7	318·0	July 10	297·4	286·3	Feb. 6	302·1	*301·4*	+ 0·6	129	+ 30
746	Berbera, Somaliland	10 22	45 2	9·5	..	..	..	308·6	320·2	June 15	297·9	288·6	Jan. 4, 5, Dec. 7	303·2	*302·5*	+ 0·3	26	− 39
751	Aden	12 45	45 3	28·7	1007·7	1010·9	0·0	304·4	310·6	Sept. 19	298·5	293·4	Feb. 22	301·4	*300·9*	+ 0·1	36	− 14
752	Bombay	18 54	72 49	11·3	1008·9	1010·1	− 0·6	303·6	308·0	June 6	297·3	289·2	Jan. 6	300·4	299·7	+ 0·4	1326	−469
752*a*	Kodaikanal	10 14	77 28	2343	770·6	..	− 0·4	291·8	298·8	May 3	283·3	276·6	Dec. 24	287·5	*286·7*	+ 0·3	1656	+ 78
753	Bangalore	12 59	77 38	921	910·2	1010·7	− 0·1	303·1	311·4	Apr. 30	291·3	283·9	Dec. 25	297·2	*296·4*	+ 0·8	685	−213
754	Madras	13 4	80 14	6·7	1009·3	1010·1	− 0·3	305·9	314·8	May 19	296·9	289·9	Feb. 19	301·4	*300·8*	+ 0·2	1158	−130
755	Vizagapatam	17 42	83 19	11·6	1008·0	1009·3	− 0·1	304·0	312·2	June 4	297·7	290·5	Dec. 24	300·8	*300·2*	+ 0·2	1050	+105
756	Port Blair	11 40	92 40	18·0	1008·1	1010·1	− 0·4	302·8	307·1	Apr. 10	297·9	293·4	Feb. 24	300·4	*299·8*	− 0·3	2441	−515
757	Rangoon	16 46	95 48	5·5	1010·2	1010·9	+ 0·1	304·9	311·8	May 17	296·2	288·3	Dec. 30	300·5	*299·4*	+ 0·2	2951	+435
758	Saigon (Cap St. Jacques)	10 20	107 5	180	989·1	1009·6	+ 0·8	302·1	309·2	May 6	296·2	291·5	Nov. 28	299·1	*298·7*	− 0·2	1167	−154
759	Nhatrang	12 15	109 12	3·6	1009·1	1009·5	0·0	303·1	310·7	July 16	295·8	289·4	Dec. 6	299·4	*298·9*	− 0·3	2164	+643
761	Bolinao	16 23	119 53	7·1	..	1008·6	+ 0·3	304·7	309·5	Apr. 2	295·9	288·2	Jan. 6	300·3	*299·8*	− 0·3	3032	+399
761*a*	Vigan	17 34	120 23	12·2	..	1008·8	− 0·4	304·1	308·1	May 10	296·6	290·3	Nov. 25	300·4	300·1	+ 0·1	2743	+152
762	Manila	14 35	120 59	14·2	..	1009·5	+ 0·1	304·6	309·8	May 7, 19	295·8	290·2	Dec. 29	300·2	299·4	− 0·2	2541	+519
765	Ormoc	11 0	124 36	5·6	..	1008·4	0·0	305·1	309·0	May 6	295·4	290·2	Feb. 16	300·3	*299·7*	+ 0·6	2040	−220
	Guam, Ladrone Is.	13 24	144 38	18·6	..	1009·1	+ 0·5	303·0	306·2	July 2	297·4	293·0	Jan. 24	300·2	*300·1*	0·0	2318	− 22
		N.	E.															

Between Latitude 10° N. and 0°. YEAR—ZONE 8.

		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1011·1	1011·7	..	304·3	308·3	Oct. 12	..	..	..	..	‡*301·8*	+ 0·4	1511	−1284
821	Colon	9 23	79 23	11·0	..	1011·4	+ 0·3	302·9	308·0	Oct. 18	297·2	293·6	Feb. 4	300·1	*299·7*	+ 0·4	3659	+424
822	Bogota	4 36	74 5	2645	745·2	..	..	291·9	296·6	Apr. 23	282·8	279·1	Feb. 16	287·4	*286·8*	..	1028	− 20
822*a*	Merida, Venez	8 36	71 9	1641	‡841·3	..	− 0·3	297·9	302·5	Apr. 10	288·2	284·7	Nov. 29	293·0	*291·9*	+ 0·6	1672	−165
823	Ciudad Bolivar	8 9	63 33	38	1007·1	1011·4	..	305·0	310·3	May 10	296·5	292·8	Feb. 16	300·8	*300·2*	..	893	− 19
824	El Peru, Guayanavieja	7 19	61 49	220	985·9	1010·9	+ 0·3	303·0	307·9	Apr. 21	293·2	289·0	Feb. 8	298·1	*297·5*	− 0·2	1600	+212
825	ϕGeorgetown, Brit. Guiana	6 50	58 12	2·0	..	1012·5	− 0·1	302·9	304·7	Nov. 22	296·9	293·8	Mar. 18	299·9	*299·5*	− 0·1	2190	− 62
826*a*	Paramaribo	5 49	55 9	3·7	‡1012·1	‡1012·5	− 0·4	304·2	307·2	May 5	294·4	290·0	Feb. 1	299·3	*299·4*	+ 0·3	2004	−280
	Cayenne	4 56	52 21	6	..	..	..	303·3	309·0	Aug. 8	296·0	290·0	July 5	299·6	*298·9*	− 0·4	1395	−1816
833	10°—5° N. 30°—25° W.	††7 5	††27 5	§(1320–1443)	..	1013·4	+ 0·9	..	..	Sea Temp. 299·1	−0·2	..	..	..	298·7	− 0·3	..	..
834	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
835	Freetown, Sierra Leone	8 29	13 14	68·3	1004·5	1012·3	+ 0·9	303·4	307·4	Jan., Mar., May	295·4	292·4	4 months	299·4	*298·5*	− 0·7	3802	−191
836	Assuantsi	5 18	1 15	101	..	..	..	302·8	307·4	Mar. 15, 18, 31	294·3	289·7	July 7, 21, Aug. 15, 16	298·6	*298·0*	..	1191	− 81
837	Accra	5 33	W 0 12	17·0	1007·9	1011·0	..	303·2	306·9	Apr. 9	295·7	292·4	Aug. 4, 11, 15	299·5	*299·0*	+ 0·5	724	+ 28
838	Lagos	6 27	E 3 24	4·6	1009·4	1009·8	− 1·0	303·9	310·2	May 31	297·4	291·5	Jan. 27	300·6	*299·8*	+ 0·5	1268	−559
839	Zungeru	9 48	6 10	130	..	..	..	307·5	314·7	Apr. 2	..	..	..	..	‡*299·9*	..	1305	+172
841	Yola	9 12	12 30	259	..	..	..	307·

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	296	−43
924	ϕManaos	3 8	60 1	43·8	1005·0	1010·1	..	304·7	310·6	Feb. 6	296·2	293·0	Sept. 19	300·4	*299·4*	− 0·1	2005	+198
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	0·0	304·3	308·5	Sept. 8	295·4	292·6	Aug. 10	299·9	*298·7*	+ 0·5	2312	+279
927	Turyassu	1 43	45 26	9·1	1010·1	1011·2	− 0·1	304·6	308·0	July 20	295·0	292·0	Aug. 20	299·8	*298·9*	− 0·1	2910	+652
928	Barra do Corda	5 30	45 16	81·0	1000·7	1010·1	− 0·3	304·6	309·2	Oct. 1	293·3	283·0	Aug. 5, 19	298·9	*298·1*	− 0·3	1631	+714
929	Quixeramobim	5 16	39 15	207	989·3	1012·6	+ 0·5	303·0	308·0	Jan. 11	296·4	291·4	June 29	299·7	*299·6*	− 0·8	1349	+1051
930	Fernando Noronha	3 50	32 25	106	1000·4	1012·2	− 0·5	300·6	303·2	Jan. 10, 30	297·1	294·1	July 12	298·8	*298·6*	+ 0·1	2309	+1051
										Sea Temp.								
930*a*	5°—10°S. 35°—30°W.	††7 19	††33 7	§(731–788)	..	1010·9	..	..	..	299·8 | +0·3	..	..	..	..	..	..	..	..
930*b*	0°— 5°S. 35°—30°W.	††2 40	††31 32	§(421–472)	..	1010·0	..	..	..	300·0 | +0·6	..	..	..	299·7	..	..	..	..
934	Ascension Island	7 56	W14 25	16·8	1012·2	1014·1	− 0·5	302·1	305·2	Feb., Mar., May	296·2	292·4	July, Sept., Oct	299·2	*298·4*	+ 0·3	462	+208
939	ϕLoanda	8 49	E 13 13	51	..	1011·9	− 0·6	300·5	305·9	Feb. 21, Apr. 2	294·7	289·8	July 29	297·6	297·1	+ 0·6	523	+201
940	Brazzaville	4 17	15 16	321	977·3	1013·6	+ 1·1	303·7	310·5	Feb. 17	293·5	288·0	July 10	298·6	*297·9*	+ 0·1	2334	+1139
943	ϕMasaka	0 21	31 47	?1280	..	..	..	302·1	305·8	Jan., Feb., Mar.	..	..	..	..	*293·2*	+ 0·6	1222	+177
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	..	..	..	..	..	..	..	..	..	679	−244
944*a*	Zanzibar	6 10	39 11	21·9	1013·1	1015·7	0·0	301·8	305·6	Jan. 25	297·7	293·6	June 24	299·8	*299·2*	0·0	1347	−185
945	Lamu	2 16	40 50	3·0	..	..	..	..	..	..	297·4	294·1	Jan. June, July	..	..	..	1047	+43
947	Seychelles, Port Office	4 37	55 27	4·6	1011·2	1011·8	− 0·2	301·3	304·2	May 11	298·4	295·4	July 19	299·9	*299·2*	+ 0·3	2726	+595
957	Padang	0 56	100 22	6·7	..	1010·1	− 0·5	..	..	..	..	..	..	..	..	..	4038	−404
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	0·0	303·7	306·0	Aug. 9	296·5	294·6	July 28	300·1	299·6	+ 0·5	1595	−25
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 0·5	..	..	..	..	..	..	..	..	..	4129	−196
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	1147	+181
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	2685	..
962	Amboina	3 42	128 10	4·2	..	1009·2	− 0·5	..	..	..	..	..	..	..	..	..	5092	+1681
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	3318	+777
965	ϕDaru	9 4	143 13	7·6	..	1009·4	− 1·1	302·2	..	..	297·3	..	..	299·7	*299·3*	+ 0·2	2715	+481
966	Port Moresby	9 29	147 9	39·0	..	1010·1	− 0·2	303·1	..	..	297·4	..	..	300·2	*299·8*	+ 0·3	1538	+595
967	Rabaul	4 9	152 12	20·7	..	1008·6	..	305·6	309·1	Aug. 31	295·5	293·6	July 23, Sept. 3	300·6	*300·0*	+ 0·2	1970	−267
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	..	..	..	304·1	306·7	Feb. 12, 13, 17	297·3	..	..	300·7	*300·5*	+ 0·2	..	..
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·8	305·8	Sept. 22	297·6	293·6	Jan. 20, May 17	300·7	*300·0*	− 0·2	1355	−778
		S.	E.															

YEAR—ZONE 10. Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·1	+ 0·8	302·6	305·3	Feb. 7	296·5	293·5	Sept. 26	299·6	299·3	+ 0·4	3024	+257
1003	Alofi, Niue Island	19 2	169 55	27·4	..	..	..	302·6	308·6	Mar. 16, 21, 25	294·2	286·3	Mar. 8	298·4	*298·2*	+ 0·4	3184	+1166
1021	Arequipa	16 22	71 33	2452	761·9	..	+ 1·0	293·2	297·7	Jan. 17	282·7	277·4	Aug. 25, Sept. 11	287·9	*287·4*	+ 0·4	29	−1
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	..	280·0	July 16, 17	..	*290·0*	..	59	..
1024	Sucre, Bolivia	19 3	65 16	2850	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	998·0	1011·1	+ 0·7	304·3	313·0	Dec. 13	292·2	279·0	Aug. 14	298·3	*297·9*	0·0	754	−450
1026	Cuyaba	15 36	56 6	165	992·1	1010·9	+ 0·4	305·5	312·5	Oct. 18	292·3	278·6	Aug. 13, 15	298·9	*297·7*	− 0·6	1272	+280
1027	Bello Horizonte	19 55	43 57	895	915·4	1014·6	+ 0·1	299·6	307·0	Oct. 25	288·2	279·6	July 3	293·9	*293·2*	+ 0·2	1842	+351
1028	Caetite	14 3	42 37	897	916·3	1015·6	+ 0·6	299·1	307·9	Jan. 6	289·7	282·0	Aug. 18	294·4	*293·8*	− 1·2	1172	+407
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·3	1013·7	− 0·5	300·8	305·5	Mar. 6	295·6	291·6	Aug. 18	298·2	*298·0*	+ 0·2	2385	+636
1030	Aracaju	10 55	37 3	6·1	1014·3	1015·1	+ 0·2	301·3	307·6	Feb. 21	295·4	291·3	Sept. 12	298·4	*298·4*	− 0·7	1940	+606
										Sea Temp.								
1030*a*	15°—20°S. 40°—35°W.	††17 18	††37 57	§(589–652)	..	1013·7	..	..	..	298·3 | −0·1	..	..	..	298·2	..	..	..	..
1030*b*	10°—15°S. 40°—35°W.	††12 44	††36 21	§(803–891)	..	1012·5	..	..	..	299·3 | +0·3	..	..	..	299·1	..	..	..	−56
1035	St. Helena	15 57	W 5 40	604	946·4	1015·3	+ 0·7	294·5	300·5	Mar. 1	286·4	283·6	Aug. 9	290·5	*290·3*	+ 0·8	828	..
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	..	305·8	Apr. 8	..	281·5	July 10	..	*293·6*	..	..	..
1041	Livingstone	17 51	25 51	972	906·9	1012·6	..	303·6	311·9	Sept. 28	288·2	276·3	July 11	295·9	..	..	815	−96
1041*a*	Elisabethville	11 39	27 28	1236	878·4	1011·7	+ 1·0	..	308·0	Sept. 28	285·3	..	..	..	..	..	1060	−58
1042	Gwelo	19 28	29 48	1417	..	..	..	299·6	310·0	Jan. 19	285·0	273·6	Aug. 20, 21	292·3	..	+ 0·8	614	..
1043	Salisbury (Dept. Agric.)	17 48	31 5	1468	854·4	1011·8	− 0·8	298·5	306·6	Nov. 3	284·7	273·6	July 1	291·6	290·7	+ 0·1	652	−56
1044	Zomba	15 23	35 18	955	908·3	1013·6	+ 0·4	299·8	309·1	Dec. 5	288·7	280·8	July, Aug., Sept.	294·3	*293·3*	+ 0·5	873	..
1044*a*	Mossuril	14 57	40 40	15	..	1014·5	..	302·9	309·3	Dec. 7	293·5	287·1	June 25	298·2	297·9	..	1014	−55
1045	Antananarivo	18 55	47 33	‡375	865·8	1014·4	+ 0·3	297·7	302·8	Oct. 28	285·1	277·0	May 30	291·4	290·8	+ 0·3	1021	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1047	Vohémar	13 21	50 1	3	..	..	..	304·1	308·5	Mar.	294·3	290·0	July	299·2	*298·6*	..	1287	..
1048	Antalaha	14 58	50 19	3	..	1011·7	..	..	..	..	..	..	..	..	..	..	..	−16
1055	Cocos, Keeling Is.	12 5	96 53	4·6	1013·1	1013·7	+ 0·5	302·3	305·8	Dec. 11	298·1	294·1	July 22	300·2	*299·8*	+ 0·4	1968	+1
1057	Christmas Island	10 25	105 43	5·5	1008·2	1008·8	0·0	303·6	306·3	Feb. 28, Mar. 5, 6	296·7	293·0	Aug. 30, Oct. 24	300·1	*299·4*	− 0·1	2424	+80
1061	Kupang	10 10	123 34	45·1	..	1010·7	+ 0·4	305·2	308·7	Oct. 2	295·8	289·7	Aug. 14	300·5	299·9	+ 0·5	867	−50
1061*a*	Derby	17 18	123 40	16·2	1009·6	1011·6	+ 0·4	307·2	317·2	Dec. 6	295·6	284·9	June 30	301·4	..	+ 0·9	112	−56
1062	Hall's Creek	18 13	127 46	373	969·8	1011·3	− 0·3	306·9	315·7	Dec. 26	290·4	276·7	July 2	298·7	*298·1*	+ 0·2	220	−54
1063	Darwin	12 28	130 51	29·6	1006·8	1010·2	+ 0·7	306·1	311·3	Nov. 27	296·8	289·9	Aug. 4	301·4	*300·3*	+ 0·3	1216	−7
1064	Daly Waters	16 16	133 23	211	985·4	1009·0	− 1·0	307·4	314·7	Oct. 26, 27, 30	292·2	279·7	July 24, 27	299·8	*299·2*	− 0·1	592	+4
1065	Mein	13 13	142 47	122	995·1	1008·9	− 0·5	304·6	311·9	Nov. 25	293·1	282·3	July 26	298·8	*298·1*	− 0·3	1247	+5
1066	ϕGeorgetown, Queensland	18 22	143 32	302	978·3	1012·3	+ 0·5	304·9	313·7	Jan. 12	291·8	276·9	July 23	298·3	..	+ 0·1	666	..
1066*a*	Willis Island	16 18	149 59	8·5	1010·5	1011·5	..	301·1	304·8	Feb. 20	297·1	292·1	June 29	299·1	*298·7*	..	1045	−56
1067	Samarai	10 37	150 40	15·2	..	1010·3	+ 0·1	..	..	..	296·7	..	..	..	..	..	2329	+1
1072	ϕSuva, Fiji	18 8	178 26	6·1	1012·2	1012·9	+ 0·2	301·0	307·0	Mar. 18	294·8	289·7	July 17	297·9	*297·7*	− 0·1	4288	+1
		S. ° ′	E. ° ′		mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
†† Mean latitude and longitude of the observations. § Number of observations. ϕ Change of normals, *see* pages 112 and 113.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
		S.	W.															
1105	ϕRarotonga (Avarua)	21 12	159 47	6	..	..	..	299·9	303·8	Dec. 29	294·3	288·0	Oct. 2, 3	297·1	*296·9*	+ 0·5	2190	+ 86
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·0	1017·2	+ 1·0	289·8	296·0	Mar. 11	285·0	279·0	June 9	287·4	*287·2*	− 0·1	18	−107
1122	Iquique	20 12	70 11	9	1015·1	1016·2	+ 1·1	293·0	300·0	Jan. 20	286·2	281·7	July 9	289·6	*290·6*	− 0·5	0	− 1
1123	Catamarca	28 27	65 47	510	954·6	1012·5	+ 1·5	300·5	316·1	Dec. 5	285·7	269·8	Aug. 12	293·1	*292·8*	− 0·4	304	− 52
1124	Salta	24 46	65 28	1178	883·7	1013·1	+ 1·7	297·0	308·7	Feb. 7	283·1	264·2	Aug. 12	290·1	*290·1*	− 0·5	598	−110
1125	Goya																	
1126	ϕAsuncion	29 9	59 15	26	1011·6	1014·7	+ 2·7	299·6	315·5	Dec. 12	286·7	273·5	July 29	293·1	*292·5*	− 0·4	904	−166
1127	Curityba	25 17	57 41	93	..	..	..	..	316·0	Feb. 15	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	25 25	49 17	908	914·7	1016·6	+ 0·5	295·7	305·5	Nov. 3	283·3	268·6	Aug. 15	289·5	*288·7*	− 0·6	902	−495
1128*a*	25°—30° S. 50°—45° W.	22 54	43 10	18·3	1014·1	1016·2	+ 1·2	299·0	308·4	Feb. 8	292·5	286·6	Aug. 16	295·7	295·2	− 0·5	1545	+447
1128*b*	20°—25° S. 45°—40° W.	††27 27	††47 36	§(550–608)	..	1015·2	..	..	..	293·4 | −1·3	..	..	..	293·3	..	..	..
		††22 37	††42 13	§(821–946)	..	1014·0	..	..	..	296·2 | +0·1	..	..	..	296·3	..	..	..	..
			W.							Sea Temp.								
1139	Windhoek	22 34	E 17 5	1669	..	..	..	298·8	307·6	Jan. 7	285·9	274·7	July 12	292·3	*292·3*	+ 0·2	242	−135
1141	Kimberley	28 42	24 47	1202	883·9	1015·8	+ 0·4	298·4	313·0	Jan. 4, 17	282·8	267·9	June 29	290·6	290·2	− 0·3	460	+ 49
1141*a*	ϕJohannesburg	26 11	28 4	1806	824·1	1017·3	+ 0·3	293·5	304·9	Jan. 18	282·4	269·7	Sept. 1	287·9	*287·5*	− 0·5	736	−108
1142	Bulawayo	20 9	28 35	1340	869·6	1014·5	+ 0·1	298·4	308·6	Nov. 3	285·5	273·6	May 22	291·9	*291·4*	− 0·2	754	+156
1143	Durban	29 52	31 3	15·2	1017·9	1019·7	+ 0·8	297·0	304·7	Nov. 24	290·1	281·1	July 1	293·6	*293·1*	− 0·3	1012	− 71
1144	Lourenço Marques	25 58	32 36	59	..	1017·8	+ 0·5	299·9	313·9	Jan. 11	290·1	280·9	June 18	295·0	294·5	− 0·5	651	−143
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	288·0	279·8	July	..	..	..	..	..
1146	Fort Dauphin	25 2	46 58	25	..	1010·6	..	..	..	..	..	279·0	May	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1009·3	1015·7	− 0·4	299·6	305·7	Jan. 15	292·6	285·1	Sept. 16	296·1	295·7	− 0·3	1411	+150
1159	Onslow	21 43	114 57	4·3	1010·6	1011·6	0·0	305·7	319·4	Dec. 25	289·8	279·9	Aug. 4	297·8	..	+ 0·3	24	−192
1160	Cue	27 27	117 52	454	963·0	1014·2	+ 0·6	301·4	316·4	Dec. 21	287·6	274·9	Aug. 12	294·5	..	0·0	107	−119
1161	ϕNullagine	21 53	120 5	386	968·4	1011·2	− 0·3	306·6	318·0	Jan. 18	289·1	274·3	Aug. 2	297·8	..	+ 0·2	46	−289
1162	ϕLaverton	28 40	122 23	466	962·9	1015·7	+ 0·5	300·4	316·3	Dec. 23	285·9	271·4	July 19	293·2	*293·1*	+ 0·1	132	−111
1163	Alice Springs	23 38	133 37	587	947·8	1013·2	+ 0·2	301·4	315·2	Feb. 4	284·4	268·0	June 29	292·9	*292·9*	− 1·0	138	−145
1164	William Creek	28 55	136 21	76·2	1007·0	1016·0	+ 0·5	300·1	316·1	Jan. 18	284·8	270·5	June 29	292·4	*292·1*	− 0·9	116	− 18
1164*a*	ϕBoulia	22 55	139 38	146	995·4	1012·0	+ 0·3	304·4	316·3	Jan. 19	289·7	275·8	Aug. 12	297·1	*297·1*	+ 0·2	237	− 62
1165	Thargomindah	27 58	143 43	123	1000·0	1014·2	+ 0·3	300·7	316·1	Jan. 2	287·5	273·1	Aug. 4	294·1	*293·8*	− 0·6	183	−100
1166	Mitchell	26 32	147 52	336	976·8	1014·8	+ 0·3	299·0	311·4	Jan. 3	284·3	269·1	June 20	291·7	..	− 0·6	945	+330
1167	Rockhampton	23 24	150 30	11·3	1012·6	1014·2	− 0·3	301·4	314·4	Jan. 12	290·7	278·0	June 8	296·1	*295·4*	+ 0·3	1038	+ 18
1168	Brisbane	27 28	153 2	41·8	1011·4	1015·9	0·0	298·6	311·0	Jan. 12	288·8	278·0	Aug. 5	293·7	*293·1*	+ 0·2	1045	−105
1170	Norfolk Island	29 4	167 59	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

Between Latitude 30° S. and 40° S. YEAR—ZONE 12.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	345	977·8	1018·6	..	289·5	297·2	Feb. 14	283·6	277·2	Sept. 12	286·5	..	..	813	..
1221*a*	ϕPunta Tumbes	36 37	73 6	120	1003·5	1018·0	+ 1·6	288·6	302·4	Jan. 17	281·5	274·5	June 7	285·1	*285·3*	− 0·4	385	−140
1222	ϕPunta Angeles, Valparaiso	33 1	71 38	41	1012·3	1017·2	+ 0·7	291·9	302·5	Dec. 6	283·2	275·0	July 30	287·5	*287·1*	− 0·7	62	−438
1222*a*	Santiago	33 27	70 42	520	955·8	1016·3	+ 0·7	296·5	306·7	Dec. 6	279·6	268·4	July 28	288·1	*286·9*	+ 0·3	66	−297
1223	Cordoba	31 25	64 12	423	965·9	1014·8	+ 1·4	298·6	314·9	Dec. 4	282·4	265·9	Aug. 13	290·5	289·9	0·0	602	−101
1224	Bahia Blanca	38 45	62 15	25	1012·2	1015·4	+ 1·1	293·6	310·0	Dec. 21	281·8	269·2	Aug. 12	287·7	*287·5*	− 0·9	464	− 72
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1013·9	1016·8	+ 1·3	294·4	310·7	Dec. 4	282·8	270·4	July 20, 28	288·6	288·6	− 0·5	655	−290
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1014·9	− 0·2	..	305·0	Jan. 22	..	274·6	Aug. 23	..	*288·7*	− 0·7	841	−201
1226*a*	ϕPorto Alegre	30 2	51 13	23·5	1013·4	1016·2	+ 0·6	296·9	311·9	Dec. 5	285·7	272·9	Aug. 1	291·3	290·9	− 1·2	790	−442
1226*b*	30°—35° S. 55°—50° W.	††32 32	††51 33	§(780–909)	..	1016·6	..	..	..	Sea Temp. 289·3 | −1·8	..	..	..	289·6	..	..	..	..
			W.															
1239	ϕCape Town	33 56	E 18 29	12·2	..	1017·4	+ 0·4	294·8	310·7	Feb. 14	285·2	275·2	June 19	290·0	*288·6*	+ 0·2	478	−158
1240	Danger Point	34 37	19 18	27·7	1013·6	1016·9	..	292·2	299·7	Jan. 7, Dec. 5	285·2	276·9	June 20	288·7	..	− 0·1	596	− 41
1241	Riversdale	34 6	21 16	†100	..	..	..	..	..	..	..	..	..	..	..	..	289	−147
1242	East London	33 2	27 55	44·8	..	1017·9	+ 0·8	295·9	311·3	Dec. 18	286·7	277·7	Aug. 8	291·3	..	+ 0·1	577	− 70
1259	Perth (Observatory)	31 57	115 51	60·0	1009·7	1016·8	+ 0·3	296·1	314·0	Jan. 12	285·6	276·4	Aug. 25	290·8	*290·6*	− 0·1	858	− 15
1260	Katanning	33 42	117 35	310	980·1	1016·6	+ 0·5	294·2	312·2	Jan. 12	281·4	272·4	Aug. 25	287·8	..	− 0·8	433	− 31
1261	ϕCoolgardie	30 57	121 10	423	967·6	1016·0	+ 0·3	298·2	315·8	Nov. 28	283·7	273·6	Aug. 12	290·9	*290·8*	− 0·2	196	− 66
1262	Eucla	31 45	128 58	4·6	1015·9	1016·5	+ 0·1	294·4	314·4	Nov. 28	285·0	274·6	July 3	289·7	*289·2*	− 0·7	172	− 82
1263	ϕStreaky Bay	32 48	134 13	13·1	1015·9	1017·4	+ 0·3	295·4	313·1	Dec. 11	284·3	274·4	July 17	289·9	*289·3*	− 0·3	319	− 60
1264	Adelaide	34 56	138 35	42·7	1012·0	1017·1	+ 0·1	294·7	314·4	Dec. 12	284·0	274·8	June 28	289·3	*289·0*	− 0·9	596	+ 59
1265	Melbourne	37 49	144 58	35·1	1011·8	1015·9	− 0·4	291·6	313·2	Jan. 15	282·7	273·5	July 16	287·1	*286·8*	− 0·6	926	+280
1266	Bourke	30 13	145 58	110	1005·7	1018·8	+ 0·7	300·1	315·8	Jan. 17	284·7	272·4	June 20	292·4	..	− 1·2	402	+ 50
1267	Sydney	33 51	151 13	42·1	1010·7	1015·7	− 0·1	294·8	309·7	Jan. 9	286·1	277·3	June 20	290·4	*289·9*	+ 0·1	939	−266
1268	Lord Howe Island	31 20	159 0	4·6	1016·3	1016·9	+ 0·6	294·9	301·8	Jan. 12	288·9	281·4	Oct. 24	291·9	..	− 0·3	2053	+380
1271	Auckland	36 50	174 50	38·1	..	1015·5	+ 0·4	291·7	299·9	Jan. 31	285·5	275·4	July 26	288·6	..	+ 0·5	1692	+576
1272	ϕNapier	39 29	176 55	1·5	..	..	..	..	..	..	..	272·2	July 10, 25, 26	..	..	..	931	+ 14
		S.	E.															

Between Latitude 40° S. and 50° S. YEAR—ZONE 13.

		S.	W.															
1301	Chatham Island	43 57	176 31	45·7	..	1011·1	..	..	..	..	..	..	..	..	..	..	925	+ 2
1321	ϕIsla Guafo	43 34	74 45	140	1000·0	1017·0	+ 1·8	285·2	296·5	Oct. 10	280·2	273·8	Sept. 10	282·7	*282·9*	+ 0·2	875	−181
1322	Punta Galera	40 1	73 44	40	1013·9	1018·8	+ 2·3	286·1	297·2	Oct. 9	281·4	274·2	May 19	283·7	*284·2*	− 0·5	1567	−634
1323	Sarmiento	45 30	69 0	274	979·6	1010·7	− 0·1	290·6	310·9	Jan. 24	278·1	260·4	July 2	284·3	*284·1*	+ 0·4	96	− 32
1324	Puerto Madryn	42 49	W64 58	14	1011·4	1012·8	+ 1·1	292·6	312·7	Jan. 19	279·6	265·8	July 13	286·1	*286·2*	− 0·3	126	− 36
1365	Launceston	41 27	E147 10	10·1	1011·1	1012·3	− 1·1	290·7	304·9	Dec. 13	280·2	270·1	July 18	285·4	*284·6*	− 0·2	758	+ 42
1366	Hobart	42 53	147 20	53·9	1005·1	1011·7	− 0·6	289·0	304·4	Jan. 15	281·0	272·8	July 27	285·0	*284·2*	− 0·4	730	+126
1370	Invercargill	46 25	168 21	3·7	..	..	..	289·3	304·1	Jan. 27	278·8	268·8	June 16	284·0	..	+ 1·

YEAR—ZONE 14.

RÉSEAU MONDIAL
Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	°A.	°A.		°A.	°A.		°A.	°A.	°A.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·8	1005·5	+ 3·0	280·9	286·5	Mar. 1	277·3	269·5	July 8	279·1	279·2	− 0·1	3098	+ 68
1422	Puerto de Punta Arenas	53 10	70 54	28	999·9	1003·3	+ 1·1	283·1	298·0	Jan. 25	277·4	267·9	July 1	280·3	*280·3*	+ 0·8	320	− 65
1423	ϕPunta Dungeness	52 24	68 26	5	..	..	..	..	..	..	..	268·5	June 29	..	..	..	..	− 7
1424	Santa Cruz	50 11	68 21	12	1004·5	1005·5	+ 0·6	287·4	306·5	Jan. 20	277·1	263·4	July 13, 14	282·2	*282·2*	+ 0·6	143	..
1424*a*	Año Nuevo	54 39	64 8	50	993·3	999·4	+ 0·9	281·6	299·0	Jan. 25	275·9	267·1	May 19	278·8	*278·3*	+ 0·1	931	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	294·1	Jan. 19	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	999·8	1002·3	+ 0·4	281·1	291·9	Jan. 26	275·7	268·0	July 28	278·4	278·8	− 0·3	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	995·4	995·9	− 1·1	277·6	293·6	Mar. 18	..	..	..	..	*274·3*	− 0·5	1153	− 140

YEAR—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7 metres.	992·0 mb.	992·9 mb.	+ 0·2 mb.	270·9 °A.	281·8 °A.	Mar. 17	264·3 °A.	236·1 °A.	July 9	267·6 °A.	267·9 °A.	− 0·6 °A.	685 mm.	+261 mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ Change of normals, *see* page 114.

SUMMARY OF RESULTANT WINDS FOR THE YEAR 1924.

	St. Helena. 1035.		Fanning Island. 805.	Sierra Leone. 834.	Entebbe. 844.	Malden Island. 905.	Tulagi. 969.	Ocean Island. 970.	Suva, Fiji. 1072
§Resultant	135°(81)	..	115°(87)	235°(35)	300°(13)	85°(94)	140°(36)	80°(75)	100°(40)
§Normal	141°(89)	††7·3	‖105°(73)	272°(22)	255°(33)	‖‖81°(81)	134°(47)	‖100°(43)	96°(53)

‖ Normal refers to ½(9+21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1924.

‡‡*Kara Sea* was unusually icefree this year. Novaya Zemlya was circumnavigated.

‡‡*White Sea* was not free of ice until the beginning of June, which is later than usual. In the autumn also the ice formed much later than usual.

‡‡*Barents Sea.*—There was much less ice than usual except off the mouth of the White Sea where great masses of close and screw ice were met with. At Hope Island and Bear Island conditions were normal.

‡‡*Spitsbergen.*—The conditions of the ice were exceptionally difficult during the spring, but in June they altered completely. In the summer they were so favourable that all the coasts became free of ice except the northern coast of Northeastland. Spitsbergen was circumnavigated this year.

‡‡*Iceland.*—Except for February, the coasts of Iceland and Grimsey were free of ice during the year. A few icebergs were observed far to the northwest in June and September.

‡‡*Greenland Sea and Denmark Strait.* Off Scoresby Sound and Shannon Island the ice belt was much narrower than usual until August, when the ice resumed its southward drift and the position of the edge became normal. To the north of Angmagsalik the belt of close ice was wider than usual in most months, but only a comparatively narrow belt lay to the south of Angmagsalik.

‡‡*N. Atlantic and Labrador.*—Since 1901, when the Danish Meteorological Institute commenced reports, there has been no year with so few icebergs on the Newfoundland Banks as 1924. In May—the usual height of the season—only a very few icebergs were observed north of the 48th parallel and from June until the end of the year no ice was observed. The icebergs and ice along the Labrador coast and in Belle Isle Strait and the Gulf of St. Lawrence were also much scarcer than usual.

‡‡*Davis Strait and Baffin Bay.*—In the spring the "Storis" extended unusually far northward, but after August none was observed. The first "Storis" of the new season rounded Cape Farewell earlier than usual, in December. There was unusually little west or winter ice in the winter 1923–4. Icebergs were numerous along the coast of Greenland, but scarce in the western part of the Strait. Conditions were favourable throughout the year in Melville Bay and the western part of Davis Strait, especially in Hudson Strait and Hudson Bay.

‡‡*Bering Sea and Polar Sea.*—In the early summer the ice in Bering Sea was lying more southerly than usual and consisted of heavy and close winter ice, but by July this sea was open. Along the north coast of Alaska the conditions were generally normal, though in September the coast ice was unbroken in many places. In the Nordenskiold Sea and the region of the New Siberian Islands little ice was met with during the year, but in the sea east of the Kolima there was much ice.

‡‡*Isforholdene i de arktiske Have*, 1924 and 1925, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1924

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1924, AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION (LOCAL MEAN TIME), FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. **P**=Barometric Pressure. **T**=⅓(M+*m*) Temperature. **𝕋**=True Mean Temperature. **R**=Precipitation. ZONE 1.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
105	Barrow	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1924.	**T**, 12 yrs. **R**, 10 yrs.	c **P**=19 h.
125	Upernivik	Copenhagen, Dansk Meteor. Aarbog, 1924.	**P**, 1874–1920. **𝕋**, **R**, 1873–1920.	e **P**=½(8+14+21). **𝕋**=⅙[2(8+14)+5×21].
132	Scoresbysund	Do. do.	..	e Do. do.
133	Germaniahavn	Do. do.	..	e Do. do.
135	Jan Mayen	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1925.	..	ek **P**=¼(2+8+14+19). **𝕋**=*n*−*k*(*n*−min.) where *n* is the mean of the three fixed daily observations, and *k* is a factor varying with the station and month.
139	Spitsbergen (Green Harbour)	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1924, 1925.	**P**, **𝕋**, **R**, 1912–26.	e **P**=⅓(8+14+19). **𝕋**=mean of 24 hrs. Absolute maxima taken from hourly readings.
140	Björnöen	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1924.	..	ek **P**=⅓(8+14+19). **𝕋**, see Jan Mayen, No. 135.
141	Gjesvaer	Do. do.	**P**, 1878–1920. **𝕋**, 1861–1920. **R**, 1884–1920.	ek **P**=⅓(8+13+19). **𝕋** see Jan Mayen, No. 135. Pressure values, Dec., Year have been reduced to old height of 6·5m.
142	Mehavn	Do. do.	**P**, **R**, 25 yrs., 1898–1923. **𝕋**, 1861–1920.	ek **P**=⅓(8+14+19). **𝕋**, see Jan Mayen, No. 135.
143	Vardo	Do. do.	**P**, 1866–1921. **𝕋**, 1861–1920. **R**, 1893–1928.	ek Do. do.
147	Malye Karmakouly	MS. data supplied by Central Phys. Obs., Leningrad.	**P**, 16 yrs., 1896–1920. **𝕋**, 31 yrs., 1876–1922. **R**, 10 yrs., 1896–1916.	e **P**=⅓(7+13+21). **𝕋** derived from these hours.
148	Waigatz	Do. do.	..	e Do. do.
153	Dickson	Do. do.	..	ek **P**, **𝕋** (Jan., Feb., Yr.)=⅓(7+13+21). "k" refers to Jan. and Feb.

Between Latitude 70° N. and 60° N. ZONE 2

203	Nome	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1924, and Rep. of Chief of Weather Bureau, 1924–5.	**P**, (1901–20). **T**, **R**, 19 yrs.	**P**=⅓(8+20). **𝕋**=¼(8+20+M+*m*). 135°W. meridian time.
204	Candle	See No. 203.	**T**, 14 yrs.	..
205	Tanana	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1924.	**P**, (1901–20). **T**, **R**, 25 yrs.	**P**=⅓(8+20). **𝕋**=¼(8+20+M+*m*). 135°W. meridian time.
206	Rampart	See No. 204.	**T**, **R**, 19 yrs.	..
207	Valdez	Do.	**T**, **R**, 15 yrs., 1909–25.	..
208	Eagle	See No. 203.	**P**, (1901–20). **T**, 25 yrs., 1882–1926. **R**, 25 yrs., 1882–1923.	c **P**=⅓(8+20). **𝕋**=¼(8+20+M+*m*).
209	Dawson	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924.	**P**, 25 yrs., 1901–26. **T**, 1902–26. **R**, 25 yrs. 1902–27.	bceq **P**=⅓(8+16+20).
210	Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924 and MS. data.	**T**, 15 yrs. **R**, 1907–21.	..
211	Fort Good Hope	..	..	..
212	Fort Simpson	MS. data supplied by Canadian Meteor. Service, Toronto.	**P**, 1909–18. **T**, 25 yrs. **R**, 15 yrs., 1897–1917.	**P**=⅓(8+16½).
213	Hay River	Do. do.	**P**, 1909–22, '25. **T**, 25 yrs. **R**, 1910–24.	e **P**=⅓(8+17).
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1924.	**P**, **𝕋**, **R**, 1873–1920.	e **P**=⅓(8+14+21). **𝕋**=⅙[2(8+14)+5×21].
226	Godthaab	Do. do.	**P**, 1873–1920. **𝕋**, 1875–1920. **R**, 1873–1917.	e Do. do.
227	Ivigtut	Do. do.	**P**, 1878–1920. **𝕋**, 1879–1920. **R**, 1875–1920.	e Do. do.
229	Angmagsalik	Do. do	**P**, **𝕋**, 1894–1920. **R**, 25 yrs., 1897–1923.	e Do. do.
231	Stykkisholm	Reykjavik, Mánadaryfirlit samin á vedurstofunni, 1924.	**P**, 1845–1923. **𝕋**, 1846–1900. **R**, 1856–1923.	c Do. do.
232	Vestmanno	Do. do.	**P**, 1881–1923. **𝕋**, 1878–1916. **R**, 1880–1923.	c Do. do.
233	Grimsey	Reykjavik, Mánadaryfirlit samin á vedurstofunni, 1924 and MS. data.	**P**, 1874–1918; '20–23. **𝕋**, 1875–1916. **R**, 42 yrs., 1874–1923.	c Do. do.
233*a*	Akureyri	See No. 231.	**P**, 1874–1918; '20–23.	c **P**=⅓(6+12+17).
234	Teigarhorn	Do.	**P**, 1872–1923. **𝕋**, 1873–1916. **R**, 1873–1923.	c **P**=⅓(8+14+21). **𝕋**=⅑[2(8+14)+5×21].
235	Thorshavn	See No. 225.	**P**, 1872–1920. **T**, **R**, 1873–1922.	ce Do. do.
236	Lerwick	London, Monthly Weather Report of Meteor. Office, 1924.	**P**, 1871–1915. **T**, **R**, 1881–1915.	c **P**, **𝕋**=¼(1+7+13+18).
237	Bergen (Met. Obs.)	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1924, and MS. data.	**P**, (1860–1926). **𝕋**, 1904–28. **R**, 1765–70; 1861–1921.	e **P**=⅓(8+14+19). **𝕋**, see Jan Mayen, No. 135.
238	Aalesund	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1924.	**P**, (1851–1900). **𝕋**, 1861–1920. **R**, 43 yrs., 1867–1926.	ek Do. do.
239	Trondhjem	See No. 237.	**P**, 1874–1913. **𝕋**, 1861–1920. **R**, 1885–1919.	e Do. do.
240	Bodö	See No. 238.	**P**, **R**, 1868–1920. **𝕋**, 1861–1920.	ek Do. do.
241	Haparanda	Stockholm, Statens Meteor.-Hydrogr. Anstalt, Årsbok, VI, 1924.	**P**, 1860–1920. **𝕋**, 1859–1920. **R**, 1860–1924.	ce **P**=⅓(8+14+21). **𝕋** derived from these hours.
242	Helsingfors	Helsingfors, Jahrb. Meteor. Zentral-Anst., Pt. I, 1924.	**P**, 1882–1920. **𝕋**, 1829–1923. **R**, 1844–1924.	e **P**=mean of 24 hrs. **𝕋**=⅛(7+14+2×21).
242*a*	Kuopio	Do. do.	**P**, (1851–1900). **𝕋**, 35 yrs., 1884–1919. **R**, 1886–1920.	ekl **P**=⅓(7+14+21). **𝕋**=⅛(7+14+2×21). Pressure values Jan. to Aug. have been reduced to height of 233 m. "k" refers to June and July, "l" to June, July, Oct. to Dec.

For notes *see* page 115.

ZONE 2—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
243	Kola	MS. data supplied by Central Phys. Obs., Leningrad.	P, 47 yrs., 1871–1920. T, 1876–1908; '10–15. R, 35 yrs., 1878–1915.	e	P=¼ (7+13+21). T derived from these hours.
244	Petrozavodsk	..	..	..	..
245	Arkhangelsk	See No. 243.	P, 1851–1917. T, 1813–1917. R, 1871–1917.	e	P=¼ (7+13+21). T derived from these hours.
246	Mezen	Do.	P, 1871–1908. T, 1883–1922. R, 1883–1923.	e	Do. do.
247	Oust-Tsylma	Do.	P, 26 yrs., 1890–1922. T, 25 yrs., 1890–1920. R, 27 yrs., 1889–1922.	e	Do. do.
248	Tcherdyn	Do.	P, (1851–1900). T, 25 yrs., 1847-48; '88–1915. R, 35 yrs., 1885–1923.	e	Do. do.
249	Berezov	Do.	P, 25 yrs., 1887–1920. T, 35 yrs., 1881–1920. R, 35 yrs., 1878–1920.	e	Do. do.
250	Obdorsk	Leningrad, Admin. d' Hydrogr. Obs. des stations polaires. Fasc. 2. Rés. Mens. et Ann., 1913–1925.	P, 31 yrs., 1887–1922. T, 36 yrs., 1882–1922. R, 35 yrs., 1882–1924.	ek	Do. do.
251	New Port	See No. 243.	..	ek	Do. do.
252	Sourgout	Do.	P, 35 yrs., 1887–1924. T, 37 yrs., 1884–1922. R, 35 yrs., 1884–1923.	ek	Do. do.
253	Doudinka	Leningrad, Admin. d' Hydrogr. Obs. des stations polaires. Fasc. 2. Rés. Mens. et Ann., 1913–1925 and MS. data.	P, T, 15 yrs., 1906–21. R, 15 yrs., 1906–22.	ekl	P=¼ (7+13+21). T derived from these hours. "l" refers to Sept. to Dec., "e" refers to July, Aug., Yr.
254	Touroukhansk	MS. data supplied by Magn. and Meteor. Obs., Irkutsk.	P, (1871–95). T, 35 yrs., 1843–44; '77–1920. R, 35 yrs., 1877–1922.	k	P=¼ (7+13+21). T derived from these hours.
261	Viliouisk	Do. do.	T, 1898–1922. R, 25 yrs., 1898–1923.	k	T derived from ¼ (7+13+21).
262	Iakoutsk	Do. do.	P, 33 yrs., 1888–1907; '11–26. T, 35 yrs., 1888–1924. R, 35 yrs., 1837–1918.	k	P=¼ (7+13+21). T derived from these hours.
263	Verkhoïansk	..	..	..	..

ZONE 3. Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
301	Atka	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1924.	..	..	..
302	St. Paul Island	Do. do.	P, (1901–20). T, 15 yrs. R, 23 yrs.	c	P=¼ (6+18).
303	Dutch Harbor (Radio)	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1924 and Rep. of Chief of Weather Bureau, 1924-5.	P, (1901–20). T, 25 yrs., 1872; '78–86; 1905–25. R, 15 yrs., 1905–20.	c	P, T (Sept., Oct.)=¼ (6+18). T (Jan. to July, Nov., Dec.)=¼ (6+18+M+m).
304	Port Moller	See No. 301.	..	..	..
305	Dillingham	Do.	T, 12 yrs. R, 11–12 yrs.	..	..
306	Kodiak (Radio)	See No. 303.	P, (1901–20). T, 10 yrs. R, 19 yrs., 1898–1910; '13–20.	c	P (Jan. to Oct., Dec.) = ¼ (8+20). P (Nov.)=¼ (4+16). T=¼ (8+20+M+m). R (June, Aug.) interpolated from Experimental Station.
307	55°—50° N. 150°—145° W.	MS. data supplied by Chief of Weather Bureau, U.S. Dept. Agric., Washington. D.C.	P, T, Sea Temperature, see current data.		P, T, Sea Temp.=12 h. G.M.T.
309	Sitka	See No. 303.	P, (1901–20). T, 43 yrs. R, 61 yrs., 1842–1921.	c	P=¼ (8+20). T derived from ¼ (8+20+M+m).
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924.	P, 1911–25. T, 1909–23. R, 1910–24.	be	P=¼ (5+17). T=¼ (5+17+M+m). 120° W. meridian time.
311	Barkerville	Do. do.	P, 25 yrs., 1899–1924. T, 35 yrs., 1888–1923. R, 37 yrs., 1888–1925.	bce	Do. do.
312	Kamloops	Do. do.	P, 1900–18. T, 35 yrs., 1891–93; '95–1927. R, 1895–1920.	ce	P=½ (4½+16½). T=¼ (4½+16½+M+m).
313	Calgary	Do. do.	P, 1894–1926. T, 1884–1923. R, 37 yrs., 1884–1920.	ber	P=½ (5½+17½). T=¼ (5½+17½+M+m).
314	Fort Chipewyan	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924 and MS. data.	P, 10 yrs., 1910–22. T, 35 yrs. R, 25 yrs.	be	P=½ (8+18). T derived from ¼ (8+20+M+m).
315	Prince Albert	See No. 310.	P, 1900–18. T, 1885–1925. R, 37 yrs., 1884–1920.	bce	P=½ (6+18). T=¼ (6+18+M+m).
316	Qu'Appelle	Do.	P, 1892–1926. T, R, 1883–1920.	bce	P=½ (6+18). T derived from ¼ (6+20+M+m).
317	Minnedosa	Do.	P, 1895–1919. T, 35 yrs. R, 1883–1917.	be	P=½ (7+19) T=¼ (7+19+M+m). 90° W. meridian time. "b" refers to Feb.
318	Berens River	Do.	T, 25 yrs. R, 1886–1920.	..	..
318a	Port Nelson	See No. 314.	P, 10 yrs., 1915–25. T, 12 yrs., 1915–27. R, 11 yrs., 1915–27.	ben	P=½ (7½+18½). "b" refers to Feb., Apr., July to Dec.
319	Fort Hope	See No. 310.	R, 24 yrs., 1895–1924.	..	..
320	Moose Factory	See No. 314.	P, 1891–1920. T, 35 yrs., 1890–1926. R, 22 yrs., 1895–1926.	be	P=½ (9+14+19) 80° W. meridian time. "b" refers to Jan., Feb., Nov., Dec.
321	Fort George	MS. data supplied by Canadian Meteor. Service, Toronto.	..	..	..
322	Mistassini Post	See No. 314.	T, R, 10 yrs., 1914–25.	..	..
324	Natashquan	Do.	T, R, 10 yrs., 1914–25.	..	..
326	Belle Isle	..	..	..	..
331	55°—50° N. 30°—25° W.	MS. data supplied by Meteor. Institute, Oslo, Meteor. Inst., De Bilt and Meteor. Office, London.	Sea Temperature, 1855–1917. Marine Observer, vol. iii, 1926.	..	..
333	53°—48° N. 20°—15° W.	MS. data at M.O.	Do. do.	..	..
333a	62°—57° N. 20°—15° W.	MS. data supplied by Dansk Meteor. Institut, Copenhagen and Meteor. Office, London.	Sea Temperature, 1876–1915.	..	..
334	Cahirciveen (Valentia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1924.	P, 1871–1915. T, 1881–1915. R, 1871–1920.		P, T=mean of 24 hrs.
335	Aberdeen	Do. do.	P, 1871–1915. T, 1881–1915. R, 1871–1920.		Do.
336	Greenwich	Do. do.	P, 1854–1920. T, R, 1881–1915.		Do.
337	Uccle	MS. data supplied by Inst. Roy. Météor. de Belgique.	P, 1833–1924. T, 1886–1920. R, 1887–1926.	e	Do.
338	De Bilt	Utrecht, K. Nederlandsch Meteor. Inst., Jaarboek, 1924.	P, T, R, 1849–1920.	ae	Do.
338a	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1924.	P, T, 1876–1910. R, 1867–1916.	e	P=¼ (8+14+20). T (May to Aug.) ½ (8+20+M+m). T (Sept. to Apr.) ½ [5 (8+20)+2×14].

For notes *see* page 115.

ZONE 3—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
339	Copenhagen (Meteor. Inst.)	Copenhagen, Dansk Meteor.Aarbog, 1924.	P, 1842–1917. T, 1768–76; '82–88; '98–1920. R, 1820–1920.	ce	P=¼ (8+14+21). T derived from these hours. Temp. and rainfall data refer to the Landbohøjskolen, 55° 41′ N., 12° 33′ E., 13m.
340	Potedam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1924.	P, 1851–1916. T, 1893–1917. R, 1877–1916.	e	P, T=mean of 24 hrs.
340a	Uppsala	Uppsala, Bull. mens. de l'Obs. Météor., 1924.	P, 1860–1920. T, 1855–1920. R, 1851–1924.	e	Do.
341	Warsaw	MS. data supplied by Inst. Centr. Météor., Warsaw.	P, 1885–1920.	..	..
342	Tartu (Ülikooli)	Tartu, Meteor. Jahrb. für Eesti, 1924.	P, T, R, 1866–1915.		P=¼ (7+13+21). T derived from these hours.
343	Leningrad	MS. data supplied by Central Phys. Obs., Leningrad.	P, T, 1871–1915. R, 90 yrs., 1778–97; 1835–1915.	e	P, T=mean of tri-hourly observations.
344	Kiiv	Kiiv, Caractéristique Géophys. de l' Ukraine, Ed. mens., 1924.	P, 1871–1915. T, 1881–1915. R, 1856–1915.	e	P=¼ (7+13+21). T derived from these hours.
344a	Moscow	See No. 343.	P, 1871–1915. T, 1881–1915. R, 61 yrs., 1853–1915.	e	Do. do.
345	Saratov	Do.	P, (1851–1900). T, 52 yrs., 1836–1915.	e	Do. do.
346	Kazan	Do.	P, T, 1881–1915. R, 1876–1925.	e	Do. do.
347	Orenburg	Do.	P, T, 1886–1920. R, 37 yrs., 1885–1922.	e	Do. do.
348	Perm	Do.	P, 1885–1922. T, 1883–1922. R, 35 yrs., 1882–1917.	e	Do. do.
349	Sverdlovsk	Do.	P, T, 1881–1915. R, 1836–1922.	e	Do. do.
350	Tobolsk	Do.	P, 30 yrs., 1887–1922. T, 35 yrs., 1884–1924. R, 42 yrs., 1841–1922.	e	Do. do.
351	Akmolinsk	Do.	T, 35 yrs., 1881–1923. R, 36 yrs., 1873–1919.		T derived from ¼ (7+13+21).
352	Omsk	Do.	P, 27 yrs., 1887–1922. T, 31 yrs., 1885–1922. R, 35 yrs., 1875–1923.	e	P=¼ (7+13+21). T derived from these hours.
353	Barnaoul	Do.	P, T, 1881–1915. R, 81 yrs., 1838–1922.	e	Do. do.
354	Tomsk	Do.	P, T, 1881–1915. R, 45 yrs., 1874–1922.	ek	P=¼ (7+13+21). T derived from these hours. "k" refers to Jan. to Aug.
355	Minousinsk	MS. data supplied by Magn. and Meteor. Obs., Irkutsk.	P, 28 yrs., 1889–1920. T, 35 yrs., 1885–1923. R, 31 yrs., 1874–1922.	k	P=¼ (7+13+21). T derived from these hours.
356	Eniseisk	Do. do.	P, 32 yrs., 1889–1922. T, 1881–1915. R, 1871–1908; '11–13; '15–22.	k	Do. do.
357	Irkutsk	Do. do.	P, 1881–1926. T, 1881–1920. R, 1887–1921.		P=¼ (7+13+21). T=mean of 24 hrs.
358	Kirensk	Do. do.	P, 25 yrs., 1896–1924. T, 26 yrs., 1892–1918. R, 27 yrs., 1892–1922.	k	P=¼ (7+13+21). T derived from these hours.
359	Tchita	See No. 343.	P, T, 1890–1919. R, 25 yrs., 1887–1915.	e	Do. do.
360	Nertchinskii Zavod	..	..	..	..
361	Tygan Ourkan	See No. 343.	P, 1911–13; '15–21. T, R, 1910–13; '15–20.	e	P=¼ (7+13+21). T derived from these hours.
362	Blagovyeshchensk (Bureau Météor.).	Do.	P, 25 yrs., 1890–1921. T, 35 yrs., 1881–1921. R, 29 yrs., 1877–1920.	e	Do. do.
365	Nikolaevsk-sur-Amour	..	..	..	..
368	Petropavlovsk (Phare)	See No. 343.	P, 19 yrs., 1891–1922. T, 25 yrs., 1890–1922. R, 29 yrs., 1846–1922.	e	P=¼ (7+13+21). T derived from these hours. Pressure values refer to radio-telegraphic station 53° 0′ N., 158° 39′ E., 13·5 m.

ZONE 4. Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924.	P, 1900–24. T, R, 1891–1925.	e	P, T=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1924–5 and Monthly Weather Rev., 1924.	P, T, 1873–1923. R, 1871–1922.	nq	P, T=½ (8+20) reduced to mean of 24 hrs.
413	Macleod	See No. 411.	T, 25 yrs., 1895–1921. R, 25 yrs., 1895–1920.		T derived from ¼ (M+m).
414	Helena	See No. 412.	P, 1882–1923. T, R, 1880–1923.	nq	P, T=½ (8+20) reduced to mean of 24 hrs.
414a	Salt Lake City	Do.	P, T, 1875–1923. R, 1874–1923.	nq	Do. do.
415	Cheyenne	Do.	P, T, 1873–1923. R, 1871–1922.	nq	Do. do.
416	North Platte	Do.	P, T, 1875–1923. R, 1874–1922.	nq	Do. do.
416a	Bismarck	Do.	P, T, 1875–1923. R, 1874–1923.	nq	Do. do.
417	Winnipeg	See No. 411.	P, R, 1886–1920. T, 1873–1920.	bce	P=¼ (7+14+19). T=¼ (7+19+M+m).
418	Duluth	See No. 412.	P, see current data. T, 1904–18. R, 1871–1923.	n	P, T=½ (8+20) reduced to mean of 24 hrs.
419	Port Arthur	See No. 411.	P, 1900–24. T, 38 yrs. R, 1881–1915.	bce	P=¼ (7+14+19). T=¼ (7+19+M+m).
420	Chicago	See No. 412.	P, T, 1873–1923. R, 1871–1923.	nq	P, T=½ (8+20) reduced to mean of 24 hrs.
421	Toronto	See No. 411.	P, 1886–1921. T, 1873–1920. R, 1874–1920.	e	P, T=mean of 24 hrs.
422	New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1924.	P, 51 yrs., 1868–1920. T, R, 1868–1925.	enq	P=½ (7+14+21). T=mean of 24 hrs.
423	St. John, N.B.	See No. 411.	P, 1902–26. T, 45 yrs. R, 1861–1910.	ce	P=¼ (9+15+21). T=mean of 24 hrs.
424	S. W. Point, Anticosti	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1924 and MS. data.	P, T, R, 1882–1920.	ce	P=¼ (8½+15½+20½). T=¼ (8½+20½+M+m).
424a	Sable Island (Main Station)	Do. do.	P, R, 35 yrs., 1891–1926. T, 25 yrs., 1898–1923.	bce	P=¼ (9+14+21). T=¼ (9+21+M+m). "b" refers to June, Sept., Nov., Dec.
425	Port aux Basques	See No. 411.	P, T, R, 1909–23.	bce	P=¼ (9+21). T=¼ (9+21+M+m). "b" refers to June.
426	St. John's, Newfoundland	See No. 424.	P, 35 yrs., 1886–1921. T, 1872–1920. R, 1874–1920.	bce	P=¼ (9+21). T=¼ (9+21+M+m).
430	50°—45° N. 35°—30° W.	MS. data at M.O.	Sea Temperature, 1855–1917. Marine Observer, vol. iii, 1926.	..	..
435	Madrid	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1924.	P, T, 1901–15. R, 15 yrs., 1901–16.	e	P=⅓(7+13+18). T derived from ⅓(7+18).

For notes *see* page 115.

ZONE 4—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
436	Nantes	Paris, Bull. Mens. de l'Office National Météor. de France, 1924 and MS. data.	**P, T, R,** 1881–1920.		**P, T**=mean of 24 hrs.
437	Paris (Parc St. Maur)	Do. do.	**P, T,** 1874–1923. **R,** 1820–1910.		Do.
438	Marseille	Marseille, Commission de Météor. du Bouches du Rhône, Bull. Ann., 1924, 1925.	**P, T, R,** 1871–1920.	c	**P** (Jan. to Nov.)=$\frac{1}{8}$ (7+10+12+16+18+22). **P** (Dec.)=$\frac{1}{8}$ (7+12+18). **T** derived from these hours.
438*a*	Zürich	Zürich, Ann. Schweiz. Meteor. Zentralanst, 1924.	**P, T, R,** 1864–1920.	e	**P, T**=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	**P,** 1858–1924. **T,** 1811–23; '25–1924. **R,** 1782–1924.		**P**=$\frac{1}{8}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
440	Vienna	Wien, Jahrb. d. Zentralanst für Meteor. und Geodyn., 1924.	**P, R,** 1851–1920. **T,** 1775–1920.	e	**P, T**=mean of 24 hrs.
440*a*	Budapest	Budapest, Jahrb. d. K. ung. Reichsant für Meteor. und Erdmagn., 1924.	**P, T, R,** 1871–1920.	e	Do.
441	Sofia	Sofia, Annuaire de Inst. Météor. de Bulgarie, 1924.	**P,** 1918–27. **T, R,** 1892–1926.	e	Do.
442	Bucharest	Bucureşti, Bul. Lunar al Obs. Meteor. din România, 1924.	**P,** 1881–1924. **T,** 1857–1924. **R,** 1864–1924.	e	Do.
443	Odessa (Observatory)	Kiiv, Caractéristique Géophys. de l'Ukraine, 1924.	**P, T,** 41 yrs., 1881–1922. **R,** 69 yrs., 1841–1915.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from these hours.
444	Kharkiv (University)	Do. do.	**P,** (1851–1900). **T,** 1892–1924. **R,** 1892–1926.	e	Do. do.
444*a*	Novorossiisk	MS. data supplied by Central Phys. Obs., Leningrad.	**P,** 38 yrs., 1881–1922. **T,** 1891–1922. **R,** 1892–1914; '16–22.	e	Do. do.
445	Tiflis	MS. data supplied by l'Observatoire Géophys. de Géorgie, Tiflis.	**P,** 1881–1922. **T,** 1881–1915. **R,** 78 yrs., 1844–1922.		**P**=$\frac{1}{8}$ (7+13+21). **T**=mean of 24 hrs.
446	Astrakhan	See No. 444*a*.	**P, T,** 1881–1915. **R,** 68 yrs., 1846–1915.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from these hours.
447	Fort Alexandrovsk	Do.	**P,** 22 yrs., 1882–1922. **T,** 35 yrs., 1882–1918. **R,** 47 yrs., 1848–1922.	e	Do. do.
448	Krasnovodsk	Do.	**P,** 35 yrs., 1883–1923. **T,** 35 yrs., 1883–1922. **R,** 35 yrs., 1870–1924.	e	Do. do.
449	Kasalinsk	MS. data supplied by Meteor. Inst., Tashkent.	**P,** 15 yrs., 1894–1908; '21. **T,** 35 yrs., 1855–1921. **R,** 35 yrs., 1862–1906.	e	Do. do.
450	Tashkent	Do. do.	**P, T,** 1881–1915. **R,** 1877–86; '92–1908; '10–13; '15–22.	e	Do. do.
451	Narynskoe	Do. do.	**R,** 30 yrs., 1887–1908; '11–20.		..
452	Alma Ata	Do. do.	**P,** 36 yrs., 1881–1918; '22. **T,** 33 yrs., 1885–1922. **R,** 39 yrs., 1879–1922.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from these hours.
461	Moukden	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1924.	**P,** 1906–20. **T, R,** 1906–26.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
462	Joshin	Do. do.	**P,** 1906–20. **T, R,** 1906–26.	ce	Do. do.
463	Yuki	Do. do.	**P,** 10 yrs., 1914–24. **T, R,** 1915–26.	ce	Do. do.
464	Vladivostok	See No. 444*a*.	**P,** 1876–1921. **T, R,** 1873–1921.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from these hours.
465	Ochiai	See No. 461.	**P,** 15 yrs., 1908–23. **T, R,** 1908–26.	e	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22). 135° E. meridian time.
466	Nemuro	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1924, and Monthly Rep.	**P,** 1886–1920. **T, R,** 1884–1920.	e	**P, T**=mean of 24 hrs. for Jan. to Mar. **P, T**=$\frac{1}{6}$ (2+6+10+14+18+22) Apr. to Dec., Yr. 135° E. meridian time.
466*a*	Syana	See No. 461.	**P, T, R,** 1902–27.	e	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22). 135° E. meridian time.

ZONE 5. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

508	35°—30° N. 145°—140° W.	MS. data supplied by Chief of Weather Bureau, U.S. Dept. Agric., Washington, D.C.	**P, T,** Sea Temperature, see current data.		**P, T,** Sea Temp.=12 h. G.M.T.
511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1924–5 and Monthly Weather Rev., 1924.	**P, T,** 1873–1923. **R,** 1850–1925.	nq	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
512	San Luis Obispo	Do. do.	**P, T,** 1895–1923. **R,** 1870–1925.	nq	Do. do.
513	San Diego	Do. do.	**P, T,** 1873–1923. **R,** 1850–1923.	nq	Do. do.
514	Modena	Do. do.	**P, T, R,** 1901–25.	nq	Do. do.
515	Santa Fé	Do. do.	**P,** 1873–80; '82; '85–1923. **T,** 1873–82; '85–1923. **R,** 67 yrs., 1850–1923.	nq	Do. do.
516	Denver	Do. do.	**P, T,** 1873–1923. **R,** 1872–1923.	nq	Do. do.
517	Abilene	Do. do.	**P, T,** 1886–1923. **R,** 1885–1922.	nq	Do. do.
518	Saint Louis	Do. do.	**P, T,** 1873–1923. **R,** 1837–1923.	nq	Do. do.
519	Mobile	Do. do.	**P, T,** 1873–1923. **R,** 1871–1922.	nq	Do. do.
520	Nashville	Do. do.	**P, T,** 1873–1923. **R,** 1871–1922.	nq	Do. do.
521	Charleston	Do. do.	**P, T,** 1873–1923. **R,** 1871–1922.	nq	Do. do.
522	Washington	Do. do.	**P, T,** 1873–1923. **R,** 1871–1925.	nq	Do. do.
524	Bermuda	Toronto Meteor. Service, Monthly Record of Meteor. Obs., 1924, and MS. data.	**P, T, R,** 54 yrs., 1866–1920.	e	**P**=$\frac{1}{8}$ (8$\frac{1}{2}$+15). This approximates to a 24 hr. mean. **T**=$\frac{1}{4}$ (8$\frac{1}{2}$+20$\frac{1}{2}$+M+*m*).
530	Santa Cruz (Flores)	MS. data supplied by Director, Meteor. Service, Azores.	**P,** 1907–22. **T, R,** 1911–25.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{4}$ (M+*m*).
531	Horta	Do. do.	**P, T, R,** 1902–26.		**P, T**=mean of 24 hrs.
532	Ponta Delgada	Do. do.	**P, T,** 1894–1923.		Do.
532*a*	Faja da Cima	Do. do.	**R,** (1894–1923).		..
533	Madeira (Funchal)	MS. data supplied by Obs. Centr. Meteor., Lisbon.	**P, T, R,** 1880–1920.		**P**=$\frac{1}{8}$ (9+15+21). **T**=$\frac{1}{4}$ (9+21+M+*m*). The pressures appear about 1 mb. too high. This correction has been applied.
535	Lisbon	Do. do.	**P, T, R,** 1864–1920.		**P, T**=mean of 24 hrs.
535*a*	Melilla	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1924.	**P, T, R,** (1908–22).	e	**P**=$\frac{1}{8}$ (7+13+18). **T** derived from these hours.
536	Gibraltar	MS. data at M.O.	**P, T, R,** 1852–1920.	c	**P**=$\frac{1}{3}$ (7+13+21). **T**=$\frac{1}{4}$ (7+13+2×21).
536*a*	Colomb-Béchar	MS. data supplied by l'Office National Météor., Paris.	..	ce	**P**=$\frac{1}{3}$ (7+13+18). **T**=$\frac{1}{4}$ (7+13+18+*m*).
537	Palma	See No. 535*a*.	**P, T, R,** 1866–1921.	e	**P**=$\frac{1}{8}$ (7+13+18).
538	Algiers (Bouzaréah)	See No. 536*a*.	**P, T, R,** 1894–1920.	ce	**P**=$\frac{1}{8}$ (7+13+18). **T** derived from these hours.

For notes *see* page 115.

ZONE 5—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
538*a*	Gadames	Tripoli, R. Uff. Agrario, Boll. del. Sez. Meteor. del. Tripolitania, 1924.	..		..
539	Tunis	Tunis, Service Météor., Relevé des Obs., 1924.	**T,** 1887–90; '92; '96–1920. **R,** 35 yrs., 1887–90; '92; '95–1925.	e	**P**=$\frac{1}{3}$ (7+13+19). **T** derived from $\frac{1}{4}\left(7+13+19+\frac{19+m}{2}\right)$
539*a*	Malta	MS. data at M.O.	**P,** 1852–1923. **T,** 1853–1923. **R,** 70 yrs., 1853–1923.	c	P=$\frac{1}{3}$ (7+18). **T** derived from $\frac{1}{2}$ (M+*m*).
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1924.	**P,** 1898–1922. **T,** 1875–1919. **R,** 1880–1914.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from these hours.
541	Athens	Athens, Ann. de l' Obs. National, 1924.	**P,** 71 yrs., 1839–1923. **T, R,** 1858–1923.	e	**P, T**=mean of 24 hrs.
542	Alexandria	MS. data supplied by Phys. Dept., Cairo.	**P,** 1888–1922. **T,** 1870–1922. **R,** 1889–1923.	c	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{4}$ (8+14+20+*m*).
543	Nicosia (P.W.D.)	Do. do.	**P, T, R,** 1907–21.	ac	**P**=$\frac{1}{2}$ (8+15).
544	Beirut	Beirut, Monthly Bull. of the Observatory, 1924.	**P, T,** 1875–1924. **R,** 1876–1924.	c	**P**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$). **T**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$+2M+3*m*).
545	Hinaidi	MS. data at M.O.	**P,** 1896–1910.		**P** (Jan., Feb., Yr.)=5 h. G.M.T. **P** (Mar. to Dec.)=$\frac{1}{3}$(5+10+17) G.M.T. **T** (Jan., Feb., Yr.) derived from 5 h. **T** (Mar. to Dec.) derived from $\frac{1}{3}$ (5+10+17). Max. temp. refers to period 5 h. to 17 h., and Min. to 17 h. to 5 h.
546	Lenkoran	MS. data supplied by Central Phys. Obs., Leningrad.	**P,** 1881–1915. **T,** 1870–84; '92–1915. **R,** 1847–56; '73–1915.	ek	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from these hours.
547	Tehran	Calcutta, India Weather Review, 1924 and MS. data.	**T,** 1895–1910. **R,** see current data.	a	**T** derived from $\frac{1}{2}$ (M+*m*).
548	Meshed	Do. do.	**T,** 17 yrs., 1891–94; 1905–18; '20. **R,** see current data.	a	**P**=8 h.
549	Seistan	Do. do.	**R,** see current data.	a	..
550	Quetta	Do. do.	**P, R,** see current data. **T,** 1878–1920.	aq	P=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
551	Peshawar	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq	Do. do.
551*a*	Lahore	Do. do.	**P, T, R,** see current data.	aq	Do. do.
552	Simla	Do. do.	**P, R,** see current data. **T,** 1876–1920.	aq	Do. do.
552*a*	Leh	Do. do.	**P, R,** see current data. **T,** 43 yrs., 1875–79; 82–1920.	aq	Do. do.
559	Hankow	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1924.	**P,** 1906–20. **T,** 1906–26. **R,** 39 yrs., 1875–1919.	e	**P**=$\frac{1}{8}$ (6+14+22). 135° E. meridian time. **T** derived from these hours.
560	Tientsin	Do. do.	**P,** 1905–20. **T, R,** 1905–26.	e	Do. do.
561	Shanghai (Zi-ka-Wei)	Zi-ka-Wei, Revue Mensuelle de l' Observatoire, 1924.	**P, T,** 1873–1920. **R,** 1873–1924.		**P, T**=mean of 24 hrs.
562	Jinsen (Chemulpho)	Jinsen, Ann. Rep. Meteor. Obs. Tyôsen, 1924.	**P,** 35 yrs., 1888–1923. **T,** 1888–1922. **R,** 1905–26.		Do.
562*a*	Nagasaki	See No. 559.	**P,** 1886–1920. **T, R,** 1879–1920.	e	Do.
563	Kyoto	Do.	**P,** 1881–1915. **T, R,** 1881–1920.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
564	Tokyo	Do.	**P,** 1886–1920. **T, R,** 1876–1920.	e	**P, T**=mean of 24 hrs.
565	Kanayama	Do.	**P, T, R,** 1898–1922.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
566	Miyako	Do.	**P,** 1886–1920. **T, R,** 1884–1920.	ce	Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N. **ZONE 6.**

601	Midway Island	Washington, D.C., U.S. Dept. Agric., Monthly Weather Rev., 1925, p. 357 and MS. data.	**P,** 1912–24.	d	**P**=18$\frac{1}{2}$ h.
605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1924–5.	**P,** 1905–21. **T,** 1883–1920. **R,** 1874–1920.	e	**P**=$\frac{1}{3}$ (8+20). **T**=$\frac{1}{4}$ (8+20+M+*m*). 157½° W. meridian time.
614	La Paz	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	der	**P**=$\frac{1}{3}$ (7+14+21).
615	Chihuahua	Do. do.	**T,** (1901–10). **R,** 15 yrs., 1901–11; '17–21.	er	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from these hours.
616	Leon	Do. do.	**P, T,** 35 yrs., 1879–1923. **R,** 37 yrs., 1878–1920.	eqr	Do. do.
616*a*	Monterry	Do. do.	**P,** 1886–88; '96–99; 1905–24. **T,** 1886–88; '96–99; 1905–22. **R,** 25 yrs., 1885–1924.	er	Do. do.
617	Tulancingo	Do. do.	**T, R,** 1911–14; '16–21.	r	Do. do.
618	Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1924–5 and Monthly Weather Rev., 1924.	**P, T,** 1873–1923. **R,** 1871–1924.	nq	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
618*a*	New Orleans	Do. do.	**P,** see current data. **T,** 1873–1923. **R,** 1836; '39–60; '68; '70–1922.	n	Do. do.
619	Merida, Yuc.	See No. 614.	**P,** 28 yrs., 1894–1924. **T, R,** 25 yrs., 1895–1924.	er	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from these hours.
620	Havana	Habana, Obs. Meteor. del Colegio de Belen, 1924.	**P,** 1858–1925. **T,** 1897–1923. **R,** 1898–1923.		**P**=$\frac{1}{10}$(4+6+8+10+12+14+16+18+20+22). **T**=$\frac{1}{10}$ [(4+6+8+10+12+14+16+18+20+22)+(4+22)].
620*a*	Key West	See No. 618.	**P, T,** 1873–1923. **R,** 1871–1922.	nq	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24hrs.
621	Nassau, Bahamas	Bahamas Blue Book, 1924.	**P,** 45 yrs., 1871–91; '95–1920. **T,** 43 yrs., 1874–91; '95–1920. **R,** 55 yrs., 1855–62; '68–1920.	n	**P**=$\frac{1}{2}$ (8+15). **T** derived from $\frac{1}{4}$ (M+*m*).
622	Watling Island	MS. data at M.O.	**P,** (1873–99).	kl	**P, T**=$\frac{1}{4}$ (2+8+12+16+22).
633	Port Etienne	Dakar, Journal Offic. de l'Afrique occid. française, 1924.	..	e	**P**=$\frac{1}{8}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
634*m*	Izaña	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1924.	**T,** (1914–23).		**P**=$\frac{1}{8}$ (7+13+18). **T** derived from these hours.
634	La Laguna	Do. do.	**P,** (1880–1920). **T, R,** 1885–1900; '11–20.	de	**P**=$\frac{1}{8}$ (8+13+18).
636	Adrar	MS. data supplied by l'Office National Météor., Paris.	..		**T**=$\frac{1}{4}$ (7+13+18). Mean temperatures obtained by this formula are about 2°A too high.
638	Laperrine	Do. do.	..	ac	**P**=8 h.
641	Siwa	Do. do.	..	c	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{4}$ (8+14+20+*m*).
643	Cairo (Helwan)	MS. data supplied by Phys. Dept., Cairo.	**P,** 1904–20. **T, R,** 1904–22.	cf	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{4}$(8+14+20+*m*). No rain gauge, as rainfall is practically unknown.
643*a*	Aswan	Do. do.	**P, T,** 1901–20.	cf	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{4}$(8+14+20+*m*).
644	Tor	Do. do.	**P, T,** 1905–20.	aq	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
647	Bushire	Calcutta, India Weather Review, 1924 and MS. data.	**P, R,** see current data. **T,** 43 yrs., 1876–1920.	aq	Do. do.
648	Jask	Do. do.	**P, R,** see current data. **T,** 27 yrs., 1893–1920.	aq	Do. do.
649	Karachi	Do. do.	**P, R,** see current data. **T,** 1905–19.	aq	Do. do.
650	Jacobabad	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq	Do. do.

For notes *see* page 115.

ZONE 6—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
651	Jaipur	Calcutta, India Weather Review, 1924 and MS. data.	**P, T, R,** see current data.	aq	**P**=8 h. **T** derived from $\frac{1}{2}(M+m)$.
652	Nagpur	Do. do.	**P, R,** see current data. **T,** 1875–1920.	aq	Do. do.
653	Allahabad	Do. do.	**P, R,** see current data. **T,** 1876–1920.	aq	Do. do.
653a	Darjeeling	Do. do.	**P, R,** see current data. **T,** 1890–1910.	aq	Do. do.
654	Calcutta	Do. do.	**P, T, R,** see current data.	aq	Do. do.
655	Gauhati	Do. do.	**P, R,** see current data. **T,** 1902–20.	aq	Do. do.
655m	Cherrapunji	Do. do.	**P, R,** see current data. **T,** 1902–20.	adq	**P**=8 h.
655a	Akyab	Do. do.	**P, R,** see current data. **T,** 1878–1920.	aq	**P**=8 h. **T** derived from $\frac{1}{2}(M+m)$.
656	Mandalay	Do. do.	**P, R,** see current data. **T,** 1889–1910.	aq	Do. do.
656a	Tengyueh	MS. data supplied by Chinese Maritime Customs.	**T, R,** 1914–23.	a	**T** derived from $\frac{1}{2}(M+m)$.
657	Phu Lien	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P, T,** 1907–21. **R,** 1907–26.		**P, T**=mean of bi-hourly observations.
658	Monoay	Do. do.	**P,** 1907–21. **T, R,** 1907–26.	c	**P**=$\frac{1}{2}$(10+16). **T** derived from these hours.
659	Hongkong	Hongkong, Royal Observatory, Monthly Meteor. Bull., 1924.	**P, T,** 1884–1920. **R,** 1884–1924.		**P, T**=mean of 24 hrs.
661	Taihoku, Formosa	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1924.	**P,** 25 yrs., 1897–1922. **T, R,** 1897–1926.	e	Do.
661a	Basco	Manila, Weather Bureau, Monthly Bull., 1924 and MS. data.	**P, T,** 1903–17. **R,** 16 yrs., 1903–19.	c	**P**=$\frac{1}{2}$(6+14). **T** derived from these hours.
662	Naha	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1924 and Monthly Rep.	**P, T, R,** 1891–1925.	e	**P, T**=mean of 24 hrs. for Jan. to Apr., July to Dec. **P, T**=$\frac{1}{6}$(2+6+10+14+18+22) for June.
665	Titizima (Bonin Islands)	See No. 661.	**P,** 1906–21. **T, R,** 1907–26.	ce	**P, T**=$\frac{1}{6}$(2+6+10+14+18+22).

ZONE 7. Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

715	Colima	MS. data supplied by Director, Obs. Meteor., Tacubaya.	**T,** (1901–10).	er	**P**=$\frac{1}{3}$(7+14+21). **T** derived from these hours.
716	Morelia	Do. do.	**T,** (1901–10).	er	Do. do.
717	Mexico, Tacubaya	Tacubaya, Servicio Meteor. Mexicano, Res. Mens., 1924.	**P,** 1917–26. **T,** 1900–14; '17–26. **R,** 1900–24.	q	**P, T**=mean of 24 hrs.
718	Salina Cruz	See No. 715.	**P, T,** 1908–12; '17–21. **R,** 1903–13; '16–19.	er	**P**=$\frac{1}{3}$(7+14+21). **T** derived from these hours.
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1924.	**P,** 1911–25. **T, R,** 1912–26.	e	**P**=$\frac{1}{3}$(7+14+21). **T**=$\frac{1}{3}$(7+14+2×21).
720	Belize	MS. data at M.O.	**P, R,** 1917–27. **T,** 1895–1905; '11–13.	cde	**P**=6 h.
721	Jamaica (Negril Pt.)	Jamaica Blue Book, 1924.	**P, T,** 1898–1922. **R,** 1895–1919.	c	**P, T**=$\frac{1}{3}$(7+15) reduced to mean of 24 hrs.
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P,** 1865–69; '88–1925. **T,** 1864–69; '88–1925. **R,** 49 yrs., 1863–69; '83–1925.	ce	**P**=$\frac{1}{3}$(7+13+21). **T** derived from $\frac{1}{3}$(7+13+2×21).
723	Caracas	Caracas, Red. Meteor. de Venezuela, Res. de las Obs., 1924.	**P,** 1893–1927. **T,** 1895–1927. **R,** 1891–1925.	eq	**P**=$\frac{1}{3}$ (10+16), 67½° W. meridian time, which approximates to the mean of 24 hrs. **T**=$\frac{1}{3}\left(6+12+18+\frac{24+0}{2}\right)$
723a	Montserrat	MS. data at M.O.	**P,** (1876–1915). **T, R,** 1915–24.	de	**P**=$\frac{1}{3}$(9+15).
724	San Juan, Porto Rico	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1924–5 and Monthly Weather Rev., 1924.	**P, R,** 1899–1928. **T,** 1898–1928.	nq	**P**=$\frac{1}{3}$ (8+20) reduced to mean of 24 hrs. **T** derived from $\frac{1}{3}(M+m)$.
724a	Grenada (Richmond Hill)	Grenada Govt. Gazette, 1924.	**P, R,** 1891–1925. **T,** 1887; '91–1924.	e	**P**=$\frac{1}{3}$(9+18). **T** derived from $\frac{1}{3}(M+m)$. A correction of −1·0 mb. has been applied to the pressure values.
725	Barbados	Barbados Blue Book, 1924.	**P, T,** 1916–25. **R,** 1853–62; '65–1920.	c	**P**=$\frac{1}{3}$(9+15). **T** derived from these hours. Max. temp. refers to the period 9 h. to 15 h., and min. to 15 h. to 9 h.
731	São Vicente, C. Verde Is.	MS. data supplied by Obs. Centr. Meteor., Lisbon.	**P, R,** 35 yrs., 1884–1921. **T,** 1901–25.		**P**=$\frac{1}{3}$(9+15+21). **T**=$\frac{1}{3}$(9+21+M+m).
732	San Tiago, C. Verde Is.	Do. do.	**T,** 1890–1900; '04–19. **R,** 1888–1900; '04–25.		**T**=$\frac{1}{3}$(9+21+M+m).
733	Dakar	Dakar, Journal Offic. de l'Afrique occid. française, 1924.	**T, R,** 1899–1913.	e	**P**=$\frac{1}{3}$(7+14+21). **T**=$\frac{1}{3}$(7+14+2×21).
734	Bathurst	Gambia Blue Book, 1924.	**P,** 1914–23. **T,** 23 yrs., 1891–1900; '07–25. **R,** 1884–1920. **R,** 1908–22.	e	**P**=9 h. **T** derived from $\frac{1}{3}(M+m)$.
734a	M'Carthy Island	Do.	..		..
735	Niénébalé	See No. 733.	..		**T** (Jan. to June) derived from $\frac{1}{3}$(7+14+21). **T** (July to Dec.) derived from $\frac{1}{3}$(7+14+20).
736	Timbuktu	See No. 722.	**T,** 15 yrs., 1896–1917. **R,** 10 yrs. 1897–1924.		**T** derived from $\frac{1}{3}(M+m)$.
737	Sokoto	MS. data at M.O.	**T,** (Jan. to Oct., Dec.), **T,** (Nov., Yr.), 15 yrs., 1907–23. **R,** 1904–28.		**T** (Jan. to Oct., Dec.) derived from $\frac{1}{3}(M+m)$. **T** (Nov., Yr.)=9 h.
738	Kaduna Capital	Do.	**P,** 1917–21; '23–29. **T** (Jan. to Apr., Nov., Dec., Yr.) **T** (May to Oct.) 1917–26. **R,** 10 yrs. 1916–26.	e	**P, T** (Jan. to Apr., Nov., Dec., Yr.)=$\frac{1}{3}$(7+14+20). **T** (May to Oct.) derived from $\frac{1}{3}(M+m)$.
739	Hadeija	Do.	**T,** (Jan. to Sept.) 15 yrs., 1907–24. **T** (Oct. to Dec., Yr.) 10 yrs., 1918–28. **R,** 15 yrs., 1904–20.		**T** (Jan. to Sept.) derived from $\frac{1}{3}(M+m)$. **T** (Oct. to Dec., Yr.)=9 h.
740	Maiduguri	Do.	**T,** 15 yrs., 1906–21. **R,** 1904–28.		**T** derived from $\frac{1}{3}(M+m)$.
741	El Fasher	MS. data supplied by Phys. Dept., Cairo.	..	cg	**T**=$\frac{1}{3}$(8+14+20+m).
743	El Obeid	Do. do.	**P, T,** 1901–20. **R,** 1902–20.	cg	**P**=$\frac{1}{3}$(8+14+20). **T**=$\frac{1}{3}$(8+14+20+m).
743a	Khartoum	Do. do.	**P,** 1903–22. **T,** 1901–22. **R,** 1899–1923.	c	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{3}$(8+14+20+m).
744	Port Sudan	Do. do.	**P, T,** 1905–20. **R,** 1906–20.	cg	**P**=$\frac{1}{3}$(8+14+20). **T**=$\frac{1}{3}$(8+14+20+m).
745	Berbera, Somaliland	MS. data at M.O.	**P, T,** 1908–22. **R,** 1906–20.	cde	**P** (Jan. to Mar.)=9 h. **P** (Apr. to Dec.)=$\frac{1}{3}$ (8+20). **T** (Apr. to Dec.)=$\frac{1}{3}$(8+20+M+m). "d" refers to Jan. to Mar., Yr.
746	Aden	Calcutta, India Weather Review, 1924 and MS. data.	**P, R,** see current data. **T,** 39 yrs., 1880–1920.	aq	**P**=8 h. **T** derived from $\frac{1}{3}(M+m)$.
751	Bombay	Calcutta, India Weather Review, 1924, MS. data and Bombay Magn. Meteor. and Seism. Obs., 1924.	**P, R,** see current data. **T,** 1878–1920.	aq	**P**=8 h. **T**=mean of 24 hrs.
752	Kodaikanal	See No. 746.	**P, R,** see current data. **T,** 21 yrs., 1899–1920.	aq	**P**=8 h. **T** derived from $\frac{1}{3}(M+m)$.
752a	Bangalore	Do.	**P, T, R,** see current data.	aq	Do. do.
753	Madras	Do.	**P, T, R,** see current data.	aq	Do. do.

For notes *see* page 115.

ZONE 7—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
754	Vizagapatam	Calcutta, India Weather Review, 1924 and MS. data.	**P, R,** see current data. **T,** 15 yrs., 1888–99; 1918–21.	aq	**P**=8 h. **T** derived from $\frac{1}{3}(M+m)$.
755	Port Blair	Do. do.	**P, R,** see current data. **T,** 1867–1920.	aq	Do. do.
756	Rangoon	Do. do.	**P, R,** see current data. **T,** 1876–1920.	aq	Do. do.
757	Saigon (Cap St. Jacques)	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P,** 1907–20; '23. **T, R,** 1907–26.	cd	**P**=$\frac{1}{3}$ (10+16).
758	Nhatrang	Do. do.	**P,** 1907–21. **T, R,** 1907–26.	cd	Do.
759	Bolinao	Manila, Weather Bureau, Monthly Bull., 1924, and MS. data.	**P, T,** 15 yrs., 1902–20. **R,** 25 yrs., 1886–97; 1902–17.	c	**P**=$\frac{1}{2}$(6+14). **T** derived from these hours.
761	Vigan	Manila, Weather Bureau, Monthly Bull., 1924.	**P, T,** 15 yrs., 1902–18. **R,** 25 yrs., 1887–96; 1902–19.	c	**P, T**=$\frac{1}{6}$(2+6+10+14+18+22).
761a	Manila	Do. do.	**P, T, R,** 1887–1922.		**P, T**=mean of 24 hrs.
762	Ormoc	See No. 759.	**P, T,** 1902–05; '07–17. **R,** 1902–26.	c	**P**=$\frac{1}{2}$(6+14). **T** derived from these hours.
765	Guam, Ladrone Is.	Do.	**P,** 1907–21. **T, R,** 1906–20.		**P**=$\frac{1}{2}$(6+14) 120° E. meridian time. **T** derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°. ZONE 8.

805	Fanning Island	MS. data at M.O.	**T** (Jan. to Sept.), 15 yrs., 1904–19. **T** (Oct. to Dec., Yr.) 15 yrs., 1904–24. **R,** 15 yrs., 1903–18.	de	**P, T** (Oct. to Dec., Yr.)=9 h. "d" refers to Jan. to Sept.
821	Colon	Balboa Heights, Panama Canal Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1924.	**P,** 1908–25. **T,** 25 yrs., 1881–88; 1907–25. **R,** 1863–74; '81–87; '89–1923.	d	**P,** reduced to mean of 24 hrs.
822	Bogota	Bogotá, Anales del Obs. Nat. de San Bartolomé, 1924.	**R,** 1866–85; '94–1923.		**P**=$\frac{1}{3}$(6+8+10+12+14+16+18+20). **T**=$\frac{1}{10}$(6+8+10+12+14+16+18+20+2m).
822a	Merida, Venez.	Caracas, Red. Meteor. de Venezuela, Res. de las Obs., 1924.	**P, T, R,** 1915–24.	q	**P**=$\frac{1}{3}$ (10+16). Pressure appears too high by about 6 mb. **T** derived from $\frac{1}{3}(M+m)$.
823	Ciudad Bolivar	Do. do.	**R,** 1917–26.	de	**P**=$\frac{1}{3}$ (10+16).
824	El Peru, Guayanavieja	MS. data at M.O.	**P,** 15 yrs., 1910–26. **T,** 15 yrs., 1910–28. **R,** 15 yrs., 1910–25.	de	**P**=7½ h. approx.
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1924.	**P, T,** 1887–1924. **R,** 1894–1928.		**P**=$\frac{1}{3}$ (7+13+18). **T** derived from these hours. Min. temp. refers to period 18 h. to 7 h.
826	Paramaribo	Paramaribo, Meteor. Waarnemingen, 1924 and MS. data.	**P,** 1876–1915. **T,** 1899–1923. **R,** 1847–54; '64–1925.	ae	**P**=$\frac{1}{3}$ (8+14+18). **T** derived from these hours. The pressures appear about 1·1 mb. too low. This correction has been applied.
826a	Cayenne	MS. data supplied by l'Office National Météor., Paris.	**T,** 25 yrs., 1890–1916. **R,** 1859–99; 1903–12.		**T** derived from $\frac{1}{3}(M+m)$. Max. temp. refers to period 9 h. to 16 h. and min. to 16 h. to 9 h.
831	10°—5° N. 30°—25° W.	MS. data supplied by Meteor. Inst., De Bilt, Deutsche Seewarte and Meteor. Office, London.	**P, T,** Sea Temperature (Jan., Feb., Dec.), 1870–1914; '22–26. (Mar. to May) 1856–1919; '22–26. (June to Nov.), 1870–1926.		**P, T,** Sea temp.=$\frac{1}{3}$ (8+20).
833	Konakri	Dakar, Journal Offic. de l'Afrique occid. française, 1924.	**P, T,** (1877–1920). **T,** 10 yrs., 1905–16. **R,** 15 yrs., 1904–22.	de	**P,** (Mar., May, July to Sept.)=$\frac{1}{3}$ (7+14+21). **P,** (Apr., June, Oct., Nov.)=$\frac{1}{3}$(7+14+19). **P,** (Dec.)=$\frac{1}{3}$(7+14+18). **T** (June)=$\frac{1}{3}$ (7+14+19). "d" refers to Apr., May, July to Dec.
834	Freetown, Sierra Leone	MS. data at M.O.	**P,** 1877–1920. **T,** 1874–88; '91–1920. **R,** 1874–1920.	e	**P**=$\frac{1}{3}$ (9+17). **T**=$\frac{1}{3}$ (17+M+2m).
835	Assuantsi	Do.	**R,** 19 yrs.	d	..
836	Acora	Do.	**T,** 29 yrs., 1888–1908; '11–20. **R,** 41 yrs.	de	**P**=9 h.
837	Lagos	Do.	**P, R,** 35 yrs., 1891–1926. **T,** 35 yrs., 1891–1927.	e	**P**=$\frac{1}{3}$ (9+15). **T**=$\frac{1}{3}$ (9+2×15+2m).
838	Zungeru	Do.	**T,** 1905–19. **R,** 1903–19.		**T,** (Jan. to Aug., Nov., Dec.) derived from $\frac{1}{3}(M+m)$. **T** (Sept., Oct., Yr.)=9h.
839	Yola	Do.	**T** (Jan. to Sept., Yr.), 1915–24. **T** (Oct. to Dec.), 15 yrs., 1904–19. **R,** 1904–28.		**T** (Jan. to Sept., Yr.)=9 h. **T** (Oct. to Dec.) derived from $\frac{1}{3}(M+m)$.
841	Wau	..	..	g	**T**=$\frac{1}{3}$ (8+14+20+m).
843	Malakal (Kodok)	MS. data supplied by Phys. Dept., Cairo.	**T,** 1902–20. **R,** 1904–20.	g	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{3}$ (8+14+20+m.)
843a	Mongalla	Do.	**P, R,** 15 yrs. **T,** 10 yrs.	gq	Do. do.
844	Entebbe	Do.	**P, T, R,** 1903–20.	eq	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{3}$(7+14+2×21).
851	Minicoy	MS. data at M.O.	**P,** 1904–28. **T,** 25 yrs., 1901–26. **R,** 25 yrs., 1896–1921.	eq	**P**=8 h.
851a	Coelin	Calcutta, India Weather Review, 1924.	**P, R,** see current data.	aq	**P, T** (Apr., Yr.)=8 h. **T** (Jan. to Mar., May to Dec.) derived from $\frac{1}{3}(M+m)$.
852	Colombo Observatory	Calcutta, India Weather Review, 1924 and MS. data.	**P, R,** see current data. **T** (Jan. to Mar., May to Dec.), 1875–1920. **T** (Apr., Yr.), 1915–24.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from $\frac{1}{3}(M+m)$.
853	Nuwara Elija	Ceylon, Govt. Gazette, Suppl., 1924 and Blue Book, 1924.	**P, T, R,** 1869–1920.		**T** derived from $\frac{1}{3}(M+m)$.
854	Trincomalee	Do. do.	**T,** 1869–77; '80–1920. **R,** 1869–1920.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from $\frac{1}{3}(M+m)$.
855	Kuta Raja	Do. do.	**P, T, R,** 1869–1920.		**P** reduced to mean of 24 hrs.
856	Medan	Batavia, Regenw. in Nederlandsch-Indië, 1924 and MS. data.	**P,** 1910–24. **R,** 1879–1923.		**P** reduced to mean of 24 hrs. **T**=mean of bi-hourly observations.
857	Penang	Do. do.	**P,** 1908; '10–23. **T,** 10 yrs., 1913–23. **R,** 1879–1923.	de	**P**=$\frac{1}{3}$ (9+15+21).
858	Singapore	Straits Settlements, Meteor. Obs., 1924.	**P,** 1882–1916. **T,** 1882–1920. **R,** 1883–1917.	cde	Do.
859	Sandakan	Do. do.	**P, T,** 1898–1922. **R,** 1869–1920.	d	..
860	Iwahig	MS. data at M.O.	**T, R,** 1879–95; 1904–29.	c	**P**=$\frac{1}{3}$(6+14). **T** derived from these hours.
861	Tagbilaran	Manila, Weather Bureau, Monthly Bull., 1924 and MS. data.	**P,** 1914–23. **T, R,** 10 yrs., 1914–24.		**P** reduced to mean of 24 hrs. **T**=mean of bi-hourly observations.
861a	Menado	Manila, Weather Bureau, Monthly Bull., 1924.	**P,** 15 yrs., 1902–18. **T, R,** 15 yrs., 1903–18.	c	**P, T**=$\frac{1}{6}$(2+6+10+14+18+22).
862	Surigao	See No. 855.	**P,** 15 yrs., 1905–21. **T,** 10 yrs., 1912–22. **R,** 1879–1923.		**P** reduced to mean of 24 hrs. **T**=mean of bi-hourly observations.
863	Kolonie, Yap	Do.	**P,** 15 yrs., 1902–18. **T,** 15 yrs., 1902–19. **R,** 25 yrs., 1902–27.	c	**P, T**=$\frac{1}{6}$(2+6+10+14+18+22).
			P, 15 yrs., 1907–22. **T,** 15 yrs., 1906–22. **R,** 15 yrs., 1905–20.		**P, T**=$\frac{1}{6}$(2+6+10+14+18+22). 120° E. meridian time.

For notes *see* page 115.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
905	Malden Island	MS. data at M.O.	**P, T,** 24 yrs., 1890–1918. **R,** 28 yrs., 1890–1919.	e	$P=\frac{1}{2}(9+20.)$ $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
924	Manaos	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	$\mathbb{T}$, 1915–24. **R,** 25 yrs., 1902–28.	h	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}=\frac{1}{4}(7+21+M+m)$.
926	Taperinha	Do. do.	**P, T, R,** 1914–23.		$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}=\frac{1}{4}(7+14+2\times21)$.
927	Turyassu	Do. do.	**P, R,** 15 yrs., 1912–27. $\mathbb{T}$, 1912–21.	q	Do. do.
928	Barra do Corda	Do. do.	**P, R,** 15 yrs., 1912–28. $\mathbb{T}$, 1912–21.	q	Do. do.
929	Quixeramobim	Do. do.	**P,** 1897–1924. $\mathbb{T}$, **R,** 1896–1920.	q	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}$ derived from $\frac{1}{4}(7+14+2\times21)$.
930	Fernando Noronha	Do. do.	**P, T,** 1911–20; '22–26. **R,** 15 yrs., 1911–27.	q	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}=\frac{1}{4}(7+14+2\times21)$.
930*a*	5°—10° S. 35°—30° W.	Do. do.	Sea Temperature, 1855–1899. Marine Observer, vol. iv, 1927.		..
930*b*	0°— 5° S. 35°—30° W.	Do. do.	Do. do.		..
934	Ascension Island	MS. data at M.O.	**P,** 10 yrs., 1854–65; 1923–28. $\mathbb{T}$, 11 yrs., 1854–65; 1917–28. **R,** 25 yrs., 1854–65; '99–1928.	e	$P=\frac{1}{2}(9+21)$. $\mathbb{T}$ derived from these hours.
939	Loanda	Loanda, Resumo das Observações Meteor. ... de Angola, Boletim Oficial, 1924.	**P,** 41 yrs., 1879–1925. $\mathbb{T}$, 42 yrs., 1879–1925. **R,** 1879–1925.		**P,** $\mathbb{T}$=mean of 24 hrs.
940	Brazzaville	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 15 yrs., 1898; 1906–21. **R,** 15 yrs., 1898; 1906–10; '12–21.	cde	$P=\frac{1}{2}(9+16)$.
943	Masaka	MS. data at M.O.	$\mathbb{T}$, 15 yrs., 1903–23. **R,** 25 yrs., 1902–27.		$\mathbb{T}=\frac{1}{4}(7+14+2\times21)$.
944	Nairobi (Dept. Agric.)	Nairobi, Dept. Agric., Meteor. Records, 1924.	**R,** 1914; '17–25.		..
944*a*	Zanzibar	Calcutta, India Weather Review, 1924 and MS. data.	**P, R,** see current data. **T,** 1891–1920.	aq	$P=8$ h. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
945	Lamu	Nairobi, Dept. Agric., Meteor. Records, 1924 and MS. data.	**T,** 1911–20. **R,** 25 yrs., 1894–99; 1906–25.	d	..
947	Seychelles, Port Office	See No. 944*a*.	**P,** see current data. **T,** 1894–1920. **R,** 1891–1920.	q	$P=\frac{1}{3}(10+16)$ reduced to mean of 24 hrs. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
957	Padang	Batavia, Regenw. in Nederlandsch-Indië, 1924 and MS. data.	**P,** 1908–22. **R,** 1879–1923.		**P** reduced to mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1924 and Regenw. in Nederlandsch-Indië, 1924.	**P,** $\mathbb{T}$, 1866–1923. **R,** 1864–1923.	e	**P,** $\mathbb{T}$=mean of 24 hrs.
958*a*	Pontianak	See No. 957.	**P,** 1906–20. **R,** 1879–1923.		**P** reduced to mean of 24 hrs.
959	Pasuruan	Batavia, Regenw. in Nederlandsch-Indië, 1924.	**R,** 1879–1923.		..
960	Kajoemas	Do. do.	**R,** 1887–1923.		..
962	Amboina	See No. 957.	**P,** 1906–20. **R,** 1879–1923.		**P** reduced to mean of 24 hrs.
963	Manokwari	See No. 959.	**R,** 25 yrs., 1900–26.		..
965	Daru	Port Moresby, Papua Govt. Gazette, 1924–5.	**P,** 18 yrs., 1894–1922. **T,** 15 yrs., 1897–1922. **R,** 25 yrs., 1894–1922.	d	$P=9$ h.
966	Port Moresby	Do. do.	**P,** 25 yrs., 1891–1922. **T,** 25 yrs., 1891–1923. **R,** 35 yrs., 1891–1927.	d	Do.
967	Rabaul	MS. data supplied by Meteor. Bureau, Melbourne.	**T,** 1916–27. **R,** 1912; '14–27.	d	$P=\frac{1}{2}(9+15)$.
969	Tulagi, Brit. Solomon Is.	MS. data at M.O.	**P, T,** 1907–21. **R,** 1898–1922.	e	$P=9$ h. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$. From July to Dec. pressure appears unreliable.
970	Ocean Island	Do.	**P,** $\mathbb{T}$, 15 yrs., 1905–20. **R,** 1905–19.	e	$P=\frac{1}{2}(8+20)$. see page xiv. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.

ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1002	Apia, Samoa	Wellington, Rep. for Apia Obsy., Samoa, 1924.	**P,** $\mathbb{T}$, **R,** 1890–1924.		**P,** $\mathbb{T}$=mean of 24 hrs.
1003	Alofi, Niue Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 15 yrs., 1907–22. **R,** 15 yrs., 1905–21.	a	$\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**P,** 1892–95; 1910–20. **T, R,** 35 yrs., 1888–1924.	q	$P=\frac{1}{2}(8+20)$. $\mathbb{T}$ derived from these hours.
1022	Tacna	Santiago, Publ. Inst. Meteor. de Chile, No. 36, Anuario, 1924.	..		$\mathbb{T}$ derived from $\frac{1}{4}(7+14+2\times21)$.
1024	Sucre, Bolivia	..	..		..
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P, R,** 15 yrs., 1912–27. **T,** 10 yrs., 1913–27.	q	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}=\frac{1}{4}(7+14+2\times21)$.
1026	Cuyaba	Do. do.	**P, T, R,** 1901–25.	q	Do. do.
1027	Bello Horizonte	Do. do.	**P,** 15 yrs., 1910–26. $\mathbb{T}$, 1910–24. **R,** 15 yrs., 1910–25.	q	Do. do.
1028	Caetite	Do. do.	**P, R,** 15 yrs., 1909–26. $\mathbb{T}$, 1912–21.	q	Do. do.
1029	Ondina (Bahia)	Do. do.	**P,** 15 yrs., 1909–26. $\mathbb{T}$, 1911–20. **R,** 35 yrs., 1889–1929.	q	Do. do.
1030	Aracaju	Do. do.	**P, R,** 15 yrs., 1911–29. $\mathbb{T}$, 1911–20.	q	Do. do.
1030*a*	15°—20° S. 40°—35° W.	Do. do.	Sea Temperature, 1855–1899. Marine Observer, vol. iv, 1927.		..
1030*b*	10°—15° S. 40°—35° W.	Do. do.	Do. do.		..
1035	St. Helena	MS. data at M.O.	**P, R,** 1892–1920. **T,** 1892–1922.	eq	$P=9$ h. $\mathbb{T}$ derived from $\frac{1}{3}(9+M+m)$. $\mathbb{T}=\frac{1}{4}(9+21+M+m)$.
1039	Mossamedes	Loanda, Resumo das Observações Meteor. ... de Angola, Boletim Oficial, 1924.	..		..
1041	Livingstone	Northern Rhodesia, Meteor. Rep., 1906–24 and 1924–5 and MS. data at M.O.	..	ce	$P=\frac{1}{2}(8+18)$.
1041*a*	Elisabethville	Congo Belge, Service de l'Agriculture, Éléments climatologiques.	**P,** 10 yrs., 1912–26. **T,** 1912–21. **R,** 1912–26.	e	$P=8$ h.
1042	Gwelo	MS. data at M.O.	**P, T, R,** 1907–21.	ceq	Do.
1043	Salisbury, (Dept. Agric.)	Do.	**P, T,** 1897–1923. **R,** 1896–1923.	eq	**P,** $\mathbb{T}$=mean of 24 hrs.
1044	Zomba	Nyasaland Govt. Gazette, 1924.	**P,** 1908–26. **T, R,** 1892–1926.	e	$P=\frac{1}{2}(9+21)$. $\mathbb{T}$ derived from these hours.
1044*a*	Mossuril	Lourenço Marques, Relatório do Observatório Campos Rodrigues, 1924.	..		**P,** $\mathbb{T}$=mean of 24 hours.
1045	Antananarivo	MS. data supplied by l'Office National Météor., Paris.	**P,** $\mathbb{T}$, 1889–1923. **R,** 1890–1924.	eq	Do.

For notes *see* page 115.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1046	Tamatave	Bulletin Économique de Madagascar, 1924.	..	d	..
1047	Vohémar	Do. do.	..	cd	$P=\frac{1}{3}(7+12+18)$.
1048	Antalaha	Do. do.	..	c	Do.
1055	Cocos, Keeling Is.	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T,** 1905–20. **R,** 1904–20.	d	$P=9$ h.
1057	Christmas Island	MS. data at M.O.	**P, T, R,** 1902–26.	e	$P=\frac{1}{2}(9+21)$. $\mathbb{T}=\frac{1}{4}(9+21+M+m)$.
1061	Kupang	Batavia, Regenw. in Nederlandsch-Indië, 1924 and MS. data.	**P,** 1910–19. $\mathbb{T}$, 10 yrs., 1912–22. **R,** 1879–1923.		**P** reduced to mean of 24 hrs. $\mathbb{T}$=mean of bi-hourly observations.
1061*a*	Derby	See No. 1055.	**P, T,** 1897–1921. **R,** 1886–1920.		$P=\frac{1}{2}(9+15)$.
1062	Hall's Creek	Do.	**P,** 1901–19. **T,** 1899–1923. **R,** 1891–1919.		$P=\frac{1}{2}(9+15)$. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1063	Darwin	Do.	**P, T,** 1882–1924. **R,** 1870–1924.		Do. do.
1064	Daly Waters	Do.	**P,** 1881–1919. **T,** 1886–1920. **R,** 1873–1919.		Do. do.
1065	Mein	Do.	**P,** 1906–20. **T,** 1907–21. **R,** 1888–1922.	d	$P=\frac{1}{2}(9+15)$.
1066	Georgetown, Queensland	Do.	**P,** 1910–24. **T,** 1907–21. **R,** 1872–1919.		Do.
1066*a*	Willis Island	Do.	..	d	Do.
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1924–5.	**P,** 15 yrs., 1904–24. **T** (Jan. to Nov.), 15 yrs., 1904–23. $\mathbb{T}$ (Dec.), 17 yrs., 1904–24. **R,** 15 yrs., 1891–92; 1904–20.		**P,** $\mathbb{T}$ (Dec.)=9 h. $\mathbb{T}$ (Jan. to Nov.) derived from $\frac{1}{2}(M+m)$.
1072	Suva, Fiji	MS. data at M.O.	**P, T, R,** 1886–1928.	ce	$P=8\frac{1}{2}$ h. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S.

ZONE 11.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1105	Rarotonga, Avarua	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 1899–1914. **R,** 1899–1925.	a	$\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 36, Anuario, 1924.	**P,** 25 yrs., 1870–1920. $\mathbb{T}$, 1899–1908; '10–24. **R,** 1900–24.	e	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}$ derived from $\frac{1}{4}(7+14+2\times21)$.
1122	Iquique	Do. do.	**P,** 17 yrs., 1886; '99–1917. $\mathbb{T}$, 1900–24. **R,** 1886; '99–1908; '11–24.	e	Do. do.
1123	Catamarca	Washington, Smiths. Inst., Misc. Coll., 79, 1927 and MS. data supplied by Direccion de Meteorologia, Buenos Ayres.	**P,** 1901–24. $\mathbb{T}$, 1904–24. **R,** 1902–24.	e	**P,** $\mathbb{T}=\frac{1}{3}(8+14+20)$ reduced to mean of 24 hrs.
1124	Salta	Do. do.	**P,** $\mathbb{T}$, **R,** 1901–24.	q	Do. do.
1125	Goya	Do. do.	**P,** $\mathbb{T}$, **R,** 1877–1924.	e	Do. do.
1126	Asuncion	Do. do.	**P,** 28 yrs., 1893–1924. $\mathbb{T}$, 1892–1911; '17–21. **R,** 40 yrs.	e	Do. do.
1127	Curityba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P,** 38 yrs., 1885–1924. $\mathbb{T}$, 1885–1916; '20–22. **R,** 1885–1917; '20–25.	q	$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}=\frac{1}{4}(7+14+2\times21)$.
1128	Rio de Janeiro	Do. do.	**P, R,** 1851–1925. $\mathbb{T}$, 1871–1925.		$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}$=mean of 24 hrs.
1128*a*	25°—30° S. 50°—45° W.	Do. do.	Sea Temperature, 1855–1899. Marine Observer, vol. iv, 1927.		..
1139	20°—25° S. 45°—40° W.	Do. do.	Do. do.		..
1141	Windhoek	MS. data supplied by Meteorological Assistant, Windhoek.	**T,** 15 yrs., 1901–05; '11–23. **R,** 35 yrs.		$\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1141*a*	Kimberley	MS. data supplied by Dr. J. R. Sutton.	**P,** 1895–1923. $\mathbb{T}$, 1897–1923. **R,** 1894–1923.	ceq	$P=\frac{1}{3}(8+14+20)$. $\mathbb{T}$=mean of 24 hrs.
1142	Johannesburg	Pretoria, Monthly Weather Rep. of Meteor. Office, 1924 and London, Meteor. Mag., 1924–5.	**P, T,** 1904–28. **R,** 1888–1924.	eq	**P** reduced to mean of 24 hrs. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1143	Bulawayo	MS. data at M.O.	**P, T,** 1897–1923. **R,** 1896–1924.	ceq	$P=8$ h. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1144	Durban	Pretoria, Monthly Weather Rep. of Meteor. Office, 1924 and MS. data.	**P,** 1884–1920. **T,** 1885–1920. **R,** 1873–1920.	ce	$P=8\frac{1}{2}$ h. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1145	Lourenço Marques	Lourenço Marques, Relatório Observatório Campos Rodrigues, 1924.	**P,** $\mathbb{T}$, **R,** 15 yrs.		**P,** $\mathbb{T}$=mean of 24 hrs.
1146	Tuléar	Bulletin Économique de Madagascar, 1924.	..		..
1147	Fort Dauphin	Do. do.	..	cd	$P=\frac{1}{3}(7+12+18)$.
1159	Mauritius	Mauritius, Results of Meteor. Obs., 1924 at Royal Alfred Observatory.	**P,** $\mathbb{T}$, **R,** 1861–1919.	e	**P,** $\mathbb{T}$=mean of 24 hrs.
1160	Onslow	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T,** 1897–1921. **R,** 1886–1920.		$P=\frac{1}{2}(9+15)$.
1161	Cue	Do. do.	**P, T,** 1897–1926. **R,** 1895–1926.		Do.
1162	Nullagine	Do. do.	**P,** 1900–24. **T,** 1899–1923. **R,** 1898–1922.		Do.
1163	Laverton	Do. do.	**P, T,** 1901–19. **R,** 1900–24.		$P=\frac{1}{2}(9+15)$. $\mathbb{T}$ derived from $\frac{1}{2}(M+m)$.
1164	Alice Springs	Do. do.	**P,** 1885–1923. **T,** 1879–1924. **R,** 1873–1924.	q	Do. do.
1164*a*	William Creek	Do. do.	**P, T,** 1889–1923. **R,** 1874–1919.		Do. do.
1165	Boulia	Do. do.	**P,** 1900–24. **T,** 1898–1922. **R,** 1887–1921.		Do. do.
1166	Thargomindah	Do. do.	**P, T,** 1910–24. **R,** 1879–1924.		Do. do.
1167	Mitchell	Do. do.	**P,** 1910–14; '18–22. **T,** 1907–21. **R,** 1884–1919.		$P=\frac{1}{2}(9+15)$.
1168	Rockhampton	Do. do.	**P,** 1889–1923. **T,** 1898–1922. **R,** 1887–1921.	d	Do.
1169	Brisbane	Do. do.	**P, T,** 41 yrs. **R,** 76 yrs.		$P=\frac{1}{2}(9+15)$. $\mathbb{T}=\frac{1}{4}(9+15+21+m)$.
1170	Norfolk Island	Do. do.	**P,** 1908–11; '15–22. **T,** 1879; '81–84; 1915–22. **R,** 1887–1912; '15–23.	d	$P=9$ h.

Between Latitude 30° S. and 40° S.

ZONE 12.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1221	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 36, Anuairo, 1924.	..		$P=\frac{1}{3}(7+14+21)$. $\mathbb{T}$ derived from $\frac{1}{4}(7+14+2\times21)$.
1221*a*	Punta Tumbes	Do. do.	**P, T, R,** 1901–25.	e	Do. do.
1222	Punta Angeles, Valparaiso	Do. do.	**P,** 25 yrs., 1869–72; '83–86; '99–1918. $\mathbb{T}$, 1899–1908; '11–25. **R,** 32 yrs.	e	Do. do.
1222*a*	Santiago	Do. do.	**P,** 1861–1921. $\mathbb{T}$, 1860–1921. **R,** 1867–1921.	e	Do. do.

For notes *see* page 115.

ZONE 12—*continued*..

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1223	Cordoba	Cordoba, Oficina Meteor. Nacional, Sinopsis del Tiempo, 1924.	**P, T, R,** 1873–1924.	e	**P, T**=mean of 24 hrs.
1224	Bahia Blanca	MS. data supplied by Direccion de Meteorologia, Buenos Ayres.	**P, T,** 1860–83; '96–1924. **R,** 1860–83; '85–1924.		**P, T**=$\frac{1}{3}$ (8+14+20) reduced to mean of 24 hrs.
1225	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1924. **T,** 1856–1924. **R,** 1861–1924.		**P, T**=mean of 24 hrs.
1226	Montevideo (Obs. Central)	Montevideo, Instituto Meteor. Nacional, Datos, 1924 and MS. data.	**P, T, R,** 1906–15; '18–22.		**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{3}$ (7+14+21+M+*m*).
1226*a*	Porto Alegre	Porto Alegre, Inst. Astr. e Meteor., Bol. Ann., 1924.	**P, T, R,** 1910–24.	e	**P, T**=mean of 24 hrs.
1226*b*	30°—35° S. 55°—50° W.	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	Sea Temperature, 1855–1899, Marine Observer, vol. iv, 1927.		..
1239	Cape Town	Pretoria, Monthly Weather Rep. of Meteor. Office, 1924 and London Meteor. Mag., 1924–5.	**P, R,** 1841–1928. **T,** 1857–1924.		**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1240	Danger Point	MS. supplied by Chief Meteorologist, Pretoria.	**T,** 10 yrs., 1910–22. **R,** 25 yrs.	ce	**P**=8$\frac{1}{2}$ h.
1241	Riversdale	Do. do.	**R,** 49 yrs.		..
1242	East London	Pretoria, Monthly Weather Rep. of Meteor. Office, 1924 and MS. data.	**P,** 1870–1904. **T,** 1881–1906; '10–19. **R,** 35 yrs., 1877–1914.	c	**P**=8$\frac{1}{2}$ h.
1259	Perth (Observatory)	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 43 yrs. **T,** 31 yrs. **R,** 52 yrs.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1260	Katanning	Do. do.	**P, T,** 1897–1921. **R,** 1892–1919.		**P**=$\frac{1}{2}$ (9+15).
1261	Coolgardie	Do. do.	**P, T,** 1897–1921. **R,** 1893–1927.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1262	Eucla	Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.		Do. do.
1263	Streaky Bay	Do. do.	**P,** 1890–1924. **T,** 1891–1919. **R,** 1878–1919.		Do. do.
1264	Adelaide	Do. do.	**P, T,** 71 yrs. **R,** 89 yrs.		Do. do.
1265	Melbourne	Do. do.	**P,** 70 yrs. **T, R,** 72 yrs.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1266	Bourke	Do. do.	**P,** 1907–24. **T,** 1874–1918. **R,** 1873–1919.		**P**=9 h.
1267	Sydney	Do. do.	**P, T, R,** 69 yrs.		**P**=$\frac{1}{2}$ (9+15). **T**=$\frac{1}{4}$ (9+15+21+*m*).
1268	Lord Howe Island	Do. do	**P,** 1914–23. **T,** 1913–21; '23. **R,** 1897–1912; '15–23.		**P**=9 h.
1271	Auckland	Wellington, Statistics of New Zealand, Meteor., 1924.	**P,** 1916–25. **T,** 1864–1923. **R,** 1853–1923.	a	Do.
1272	Napier	Do. do.	**T,** 31 yrs. **R,** 48 yrs.	a	..

ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

1301	Chatham Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**R,** 25 yrs., 1879–81; '94–1919.		**P**=9 h.
1321	Isla Guafo	Santiago, Publ. Inst. Meteor. de Chile, No. 36, Anuario, 1924.	**P, R,** 1908–22. **T,** 1911–25.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{3}$ (7+14+2×21).
1322	Punta Galera	Do. do.	**P, T, R,** 1899–1923.	e	Do. do.
1323	Sarmiento	MS. data supplied by Direccion de Meteorologia, Buenos Ayres.	**P, T, R,** 1903–24.		**P, T**=$\frac{1}{3}$ (8+14+20) reduced to mean of 24 hrs.
1324	Puerto Madryn	Do. do.	**P,** 19 yrs., 1902; '05–24. **T,** 1901–24. **R,** 21 yrs., 1902–24.		Do. do.
1365	Launceston	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1905–19. **T,** 1891–1918. **R,** 1886–1920.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1366	Hobart	Do. do.	**P,** 43 yrs. **T,** 57 yrs. **R,** 85 yrs.		Do. do.
1370	Invercargill	Wellington, Statistics of New Zealand, Meteor., 1924.	**T,** 17 yrs. **R,** 33 yrs.	a	..
1371	Dunedin	Do. do.	**P, T,** 1864–1923. **R,** 67 yrs.	a	**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1905–23. **T,** 1864–80; 1905–23. **R,** 1864–80; '94–1923.	a	**P**=9$\frac{1}{2}$ h.
1372	Wellington	Wellington, New Zealand Govt. Gazette, 1924–5.	**P, T,** 1864–1923. **R,** 1862–1923.		**P**=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 36, Anuario, 1924.	**P, R,** 1899–1923. **T,** 1899–1908; '10–24.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{3}$ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** 1889–1924. **T, R,** 1888–1924.	e	Do. do.
1423	Punta Dungeness	Do. do.	**P,** 1900–08; '10–18. **T,** 1900–18. **R,** 21 yrs.	e	Do. do.
1424	Santa Cruz	MS. data supplied by Direccion de Meteorologia, Buenos Ayres.	**P,** 1903–09; '11–24. **T,** 1901–24. **R,** 24 yrs., 1896–98; 1903–24.		**P, T**=$\frac{1}{3}$ (8+14+20) reduced to mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**P, T,** 19 yrs., 1886–95; 1902–05; '14–21.	e	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from 3 hourly.
1425	Stanley, Falkland Is.	MS. data at M.O.	**R,** 1904–20.		**P**=9 h.
1426	Cape Pembroke	Do.	**P, T,** 1895–1920.	e	**P, T**=$\frac{1}{4}$ (4+8+12+16+20+24). rain gauge.
1429	S. Georgia (Cumberland Bay)	Do.	**P, T,** 1905–26. **R,** 1906–26.	e	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from 3 hourly.

ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	MS. data supplied by Direccion de Meteorologia, Buenos Ayres.	**P, T,** 1903–23. **R,** 17 yrs., 1904–23.	e	**P, T**=mean of 24 hrs.

For notes *see* page 115.

NOTES

a. Maximum thermometer read at hour of morning observation and entered to day of reading.
b. Maximum and minimum temperatures from whole degrees Fahrenheit.
c. International Zone Time.
d. **T** derived from table below.
e. M.S.L. reduction applied in M.O.
f. At Cairo, mean temperatures obtained by this formula are 0.7°A too low.
g. At Khartoum, mean temperatures obtained by this formula are 1.0°A too low.
h. At Quixeramobim, mean temperatures obtained by this formula are 0.6°A too low.
k. Absolute maximum taken from observations at fixed hours.
l. Absolute minimum taken from observations at fixed hours.
n. 75° W. meridian time.
q. Pressure differences from normal refer to station level values.
r. 105° W. meridian time.

Normals for which the period is enclosed in brackets have been computed by comparison with neighbouring stations.

The statement that **T** is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate true mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

REDUCTION TO TRUE MEAN TEMPERATURE

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

General.—Brooks, C. E. P. True mean temperature. Washington, Monthly Weather Rev., 49, 1921, p. 226.

Greenland, Iceland.—Copenhagen, Institut Météor., Moyennes et extrêmes météor. . . . des Iles Féroe, de l'Islande et du Groënland. Copenhagen, 1899.

Norway.—Kristiania, Jahrb. d. Norweg. Meteor. Instituts.

Denmark.—Jantzen, V. Willaume, Meteorologiske Observationer i Kjøbenhavn. Copenhagen, 1896.

Sweden.—Ekholm, N., Calcul de la température moyenne mensuelle de l'air aux stations météor. suédoises. Uppsala, 1916.

Russia.—Wild, H., Die Temperatur-Verhältnisse des Russischen Reiches. 3 vols. St. Petersburg, 1881.

Canada.—Prepared in M.O.

U.S.A.—Washington, D.C., U.S. Dept. Agric., Weather Bureau, Bulletin S. By F. H. Bigelow, 1909.

Portugal (Lisbon).—J. d'Almeida Lima, O clima de Portugal Continental. Lisbon, 1922.

Italy.—Eredia, F., Il clima di Roma. Rome, 1911.

Greece (Athens).—Athens, Observatoire National, Annales.

Africa.—Brooks, C. E. P. The Reduction of Temperature Observations to Mean of 24 Hours, and the Elucidation of the Diurnal Variation in the Continent of Africa. London, Q.J.R. Meteor. Soc., 43, 1917, p. 375.

Egypt and Sudan.—Supplied by Physical Department, Cairo.

India.—Calcutta, Meteorological Office, Indian Meteorological Memoirs, vol. xvii. Calcutta, 1904.

Tropics.—Hann, J. von, Die tägliche Gang der Temperatur in der inneren Tropenzone; Die tägliche Gang der Temperatur in der äusseren Tropenzone. 3 vols. Vienna, 1905, 1906, 1907.

South America.—Supplied by Mr. R. C. Mossman.

South Georgia.—Internationale Polarforschung, 1882–3. Die Beobachtungs-Ergebnisse der Deutschen Stationen; Süd-Georgien. Berlin, 1866.

The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce $\frac{1}{2}$ (M+*m*) to true mean temperature (**T**), taking into consideration the height and the daily range (M—*m*). It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres.							
	0	500	1000	1500	2000	2500	3000	3500
°A	°A	°A	°A	°A	°A	°A	°A	°A
4	— ·35	— ·42	— ·49	— ·56	— ·63	— ·70	— ·77	— ·84
6	— ·42	— ·50	— ·58	— ·66	— ·74	— ·82	— ·90	— ·98
8	— ·52	— ·59	— ·65	— ·72	— ·78	— ·85	— ·91	— ·98
10	— ·64	— ·67	— ·70	— ·73	— ·76	— ·79	— ·82	— ·85
12	— ·79	— ·76	— ·73	— ·70	— ·67	— ·64	— ·61	— ·58
14	— ·97	— ·85	— ·73	— ·61	— ·49	— ·37	— ·25	— ·13

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